



## MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE (MSRC) MEETING AGENDA

Thursday, June 17, 2021 at 2:00 p.m.

Pursuant to Governor Newsom's Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the MSRC meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

### INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

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### PUBLIC COMMENT WILL STILL BE TAKEN

*Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't Code Section 54954.3(a)). If you wish to comment on an agenda item or during the public comment period, please "raise your hand" on Zoom or dial \*9 on your phone. All agendas for regular meetings are posted at District Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.*

## MSRC Committee Members

### **MSRC Chair**

Larry McCallon  
Member, Board of Directors, SBCTA  
Representing San Bernardino County Transportation Authority  
Alternate: John Valdivia, Board of Directors, SBCTA

### **MSRC Vice-Chair**

Brian Berkson  
Commissioner, RCTC  
Representing Riverside County Transportation Commission  
Alternate: Linda Krupa, Commissioner, RCTC

Tim Shaw  
Member, Board of Directors, OCTA  
Representing Orange County Transportation Authority  
Alternate: Lisa Bartlett, Member, OCTA Board of Directors

Sydney Vergis, CARB Staff  
Representing California Air Resources Board  
Alternate: Lucina Negrete, CARB Staff

Ben Benoit  
Member, SCAQMD Governing Board  
Representing South Coast Air Quality Management District

John Dutrey  
Member, Board of Directors, SBCTA  
Representing Regional Rideshare Agency  
Alternate: Ray Marquez, Member, SBCTA Board of Directors

Steve Veres, Member, LACCD Board of Trustees  
Representing Los Angeles County MTA  
Alternate: Mark Yamarone, MTA Staff

Jed Leano  
Member, SCAG Regional Council  
Representing Southern California Association of Governments  
Alternate: Mark Henderson, Member, SCAG Regional Council

**CALL TO ORDER**

Opening Comments: Larry McCallon, MSRC Chair  
Other MSRC Members

**STATUS REPORT**

Clean Transportation Policy Update

Ravenstein

The Clean Transportation Policy Update provides information on key legislative and regulatory initiatives of potential interest to the MSRC. The report can be viewed at [www.cleantransportationfunding.org](http://www.cleantransportationfunding.org).

**CONSENT CALENDAR (Items 1 through 10)**

**Receive and Approve**

- 1. Minutes of the March 18, 2021 MSRC Meeting Vega/Eaton
  
- 2. Summary of Final Report by MSRC Contractor Gorski
  - Orange County Transportation Authority, MS21003 (\$468,298 – Clean Fuel Bus Service to the Orange County Fair)

**Information Only - Receive and File**

- 3. MSRC Contracts Administrator’s Report Ravenstein

This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from April 29 through May 26, 2021.
  
- 4. Financial Report on AB 2766 Discretionary Fund Kampa

Financial Report for May 2021.

**For Approval – As Recommended**

- 5. Consider Two-Year No-Cost Term Extension by City of Indian Wells, Contract #ML18036 (\$50,000 – Install EV Charging Infrastructure) Ravenstein

The City requests a two-year term extension due to staff turnover and COVID-19 impacts. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

- 6. Consider Seventeen-Month No-Cost Term Extension by City of Carson, Contract #ML18057 (\$106,250 – Procure Five Light-Duty Zero Emission Vehicles and Install EV Charging Infrastructure) Ravenstein

The City indicates that COVID-19 pandemic impacts and staffing changes have delayed the design and construction of the charging stations. They request an approximately seventeen-month extension to complete the work. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

- 7. Consider One-Year No-Cost Term Extension by Universal Waste Systems, Contract #MS18122 (\$200,000 – Install Limited Access CNG Fueling Station) Ravenstein

Universal Waste Systems indicates that the COVID-19 pandemic has impacted their ability to complete permitting with the City of South Gate, and the process to get power delivered to the site by Southern California Edison is taking longer than anticipated. They request a one-year term extension to complete the work. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

- 8. Consider Two-Year No-Cost Term Extension by Riverside County Transportation Commission (RCTC), Contract #MS18024 (\$1,500,000 – Implement Vanpool Incentive Program) Ravenstein

RCTC requests a two-year term extension due to COVID-19 impacts on the VanClub program and the time needed to ramp the program back up. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

- 9. Consider Modified Scope of Work or in the Alternative, a One-Year No-Cost Term Extension by City of Big Bear Lake, Contract #ML18088 (\$50,000 – Install Bicycle Trail) Ravenstein

The contract describes the project for this segment of the Rathbun Creek Trail as the installation of 1,500 linear feet of 10-foot wide paved trail, 120 linear feet of privacy fence, 850 linear feet of split rail fencing, and one prefabricated bridge, with all lengths approximate. The original length of the trail itself was based on a connection to Big Bear Boulevard through private property. Although that is still a longer-term goal, for the time being the proposed slightly shorter trail connects to the Boulevard through an access easement from the County of San Bernardino. This change negated the need for privacy fence. The City also installed considerably more split-rail fencing than originally anticipated due to property owner requests. The City requests to modify the project to reflect these and other changes. In the alternative, if the requested modifications to the scope of work are denied, the City requests a one-year no-cost term extension to complete the original specified scope. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL OF MODIFICATIONS TO THE SCOPE OF WORK**

- 10. Consider Modified Statement of Work and Two-Year Term Extension by City of South Gate, Contract #ML18146 (\$127,400 – Procure Five Light-Duty Zero Emission Vehicles and Install EV Charging Infrastructure) Ravenstein

The MSRC originally awarded the City of South Gate funding towards the procurement of five light-duty electric vehicles and the installation of three Level II charging stations. In November 2020, the MSRC considered and approved the City's request to substitute a Level III charging station for the Level II charging station at their corporate yard. The MSRC also approved the one-year contract term extension requested by the City, as well as an additional two years needed to fulfill the longer operational requirement for a Level III station. Prior to executing any contract modification, the City has re-evaluated its needs and determined that they would be better served by Level II charging stations. The City requests to modify the original contract and increase the number of Level II charging stations from three to six, at no additional cost to the MSRC. They also request a two-year contract term extension, inclusive of the one year previously granted. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

**ACTION CALENDAR (Items 11 through 13)**

- 11. Consider FY 2021-22 Administrative Budget Kampa

An administrative budget is prepared each year as part of the annual MSRC budget. The MSRC-TAC Administrative Subcommittee has reviewed the proposed administrative budget and recommends approval. **THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL**

- 12. Consider Incorporating a Labor Law Provision in MSRC Contracts for On-Road Truck Projects Hsu

In the April 2, 2021 South Coast AQMD Governing Board meeting, members of the Board requested MSRC consider adding language in MSRC contracts for on-road truck projects similar to the provision in South Coast AQMD grant contracts regarding labor laws. **WITH THE EXCEPTION OF MEMBER WINTERS WHO ABSTAINED, THE MSRC-TAC UNANIMOUSLY RECOMMENDS APPROVAL OF INCORPORATING THE LABOR LAW PROVISION, WITH THE CONDITION THAT SOUTH COAST AQMD GENERAL COUNSEL'S OFFICE CONSULT WITH THE MSRC-TAC AND MSRC PRIOR TO TERMINATING A CONTRACT OR PROPOSED AWARD ON THIS BASIS**

## FYs 2016-18 WORK PROGRAM

### 13. Consider Project Concepts and Proposals Received under the Hydrogen Infrastructure Partnership Program

Gorski

As an element of their FYs 2016-18 Work Program, the MSRC allocated \$3,000,000 for the implementation of hydrogen refueling stations within South Coast AQMD’s jurisdiction. A Program Opportunity Notice was released on April 6, 2018 and closed on April 9, 2021. \$1,000,000 has been awarded to date. As previously authorized by MSRC, full proposals have been received from California State University Los Angeles Auxiliary Services (CSULA) and San Bernardino County Transportation Authority (SBCTA). Additionally, project concepts were received prior to the submission deadline from Air Products, Nikola, and Clean Energy. The MSRC-TAC Infrastructure Subcommittee has reviewed the proposals and project concepts. The Subcommittee recommends: 1) an award to SBCTA in an amount not to exceed \$1,662,000, contingent upon SBCTA agreeing to make the station available to other users, at no cost to the MSRC, in the event that the Zero-Emission Multiple Unit train does not operate for at least five years; and 2) that the MSRC seek the submission of full proposals from Air Products, Nikola, and Clean Energy, to include the specific information discussed in the staff report. The Subcommittee does not recommend an award to CSULA. **THE MSRC-TAC UNANIMOUSLY AGREED WITH THE MSRC-TAC INFRASTRUCTURE SUBCOMMITTEE RECOMMENDATIONS, INCLUDING TO NOT MOVE FORWARD WITH AN AWARD TO CSULA. SUBSEQUENT TO THE MSRC-TAC MEETING, CSULA SUBMITTED A LETTER OF SUPPORT FROM A NEW PROPOSED PARTNER FOR A NEW PROJECT ELEMENT.**

## OTHER BUSINESS

14. *\*Any member of the committee, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov’t Code Section 54954.2)*

McCallon

## **PUBLIC COMMENT PERIOD - (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)**

*At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Committee’s authority that is not on the agenda. Speakers may be limited to three (3) minutes each.*

## **ADJOURNMENT**

**NEXT MEETING: Date: August 19, 2021, 2:00 p.m., Location: Remote Meeting**

**Americans with Disabilities Act and Language Accessibility**

*Disability and language-related accommodations can be requested to allow participation in the MSRC Meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the District. Please contact Ms. Penny Shaw Cedillo at (909) 396-3179 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [pcedillo@aqmd.gov](mailto:pcedillo@aqmd.gov).*

**Pursuant to SB 343**

*All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the Agenda is posted, are available by contacting Penny Shaw Cedillo at (909) 396-3179 or send the request to [pcedillo@aqmd.gov](mailto:pcedillo@aqmd.gov)*

Contacts: Cynthia Ravenstein, MSRC Contracts Administrator - (909) 396-3269  
Ray Gorski, MSRC Technical Advisor – (909) 396-2479  
Marjorie Eaton, MSRC Administrative Liaison – (909) 396-3036

\*\*\* Visit Our Website At: [www.cleantransportationfunding.org](http://www.cleantransportationfunding.org) \*\*\*

## INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

### **Instructions for Participating in a Virtual Meeting as an Attendee**

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

**Please note:** During the meeting, all participants will be placed on mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chair will announce public comment.

A countdown timer may be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

**Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.**

### **Directions for Video ZOOM on a DESKTOP/LAPTOP:**

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of the screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

### **Directions for Video Zoom on a SMARTPHONE:**

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

### **Directions for TELEPHONE line only:**

- If you would like to make public comment, please **dial \*9** on your keypad to signal that you would like to comment.



AGENDA ITEM #1

March 18, 2021 MSRC Meeting Minutes



**MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE  
THURSDAY, MARCH 18, 2021 MEETING MINUTES  
21865 Copley Drive, Diamond, Bar, CA 91765**

All participants attended the meeting remotely pursuant to  
Executive Orders N-25-20 and N-29-20

**MEMBERS PRESENT:**

(Chair) Larry McCallon, representing San Bernardino County Transportation Authority (SBCTA)  
(Vice-Chair) Brian Berkson, representing Riverside County Transportation Commission (RCTC)  
Ben Benoit, representing South Coast AQMD  
John Dutrey, representing Regional Rideshare Agency  
Jed Leano, representing Southern California Association of Governments (SCAG)  
Tim Shaw, representing Orange County Transportation Authority (OCTA)  
Sydney Vergis, representing California Air Resources Board (CARB)  
Mark Henderson (Alt.), representing SCAG  
Ray Marquez (Alt.), representing Regional Rideshare Agency  
John Valdivia (Alt.), representing SBCTA  
Mark Yamarone (Alt.), representing Los Angeles County Metropolitan Transportation Authority (Metro)

**MEMBERS ABSENT:**

Steve Veres, representing Metro

**MSRC-TAC MEMBERS PRESENT:**

Chair AJ Marquez, representing Orange County Board of Supervisors  
Adriann Cardoso, representing OCTA  
Derek Winters, representing CARB  
Nicole Soto, representing Regional Rideshare Agency  
Rongsheng Luo, representing SCAG  
Tim Olson, Air Pollution Control Expert  
Vicki White, representing South Coast AQMD

**OTHERS PRESENT:**

Brandy Sickler  
Carrie Schindler  
Claire Garcia  
D. Thornburg  
Elizabeth Tom  
Elliott Popel  
Jack Symington  
Janice Thomas  
Jennifer Farinas  
Lauren Dunlap  
Meg Sandquist  
Ramine Cromartie  
Rose Szoke  
Sarah Ward  
Vincent Pellecchia

**SOUTH COAST AQMD STAFF & CONTRACTORS PRESENT:**

Alejandra Vega, MSRC Administrative Liaison  
Anthony Tang, Information Technology Specialist  
Ash Nikravan, Sr. Staff Specialist  
Cynthia Ravenstein, MSRC Contracts Administrator  
Daphne Hsu, Sr. Deputy District Counsel  
Donna Vernon, Secretary  
John Kampa, Financial Services Manager  
Lane Garcia, Program Supervisor  
Lawrence Brown, AQ Specialist  
Leah Alfaro, MSRC Contracts Assistant  
Maria Allen, Secretary  
Matt MacKenzie, MSRC Contracts Assistant  
Matt Miyasato, Deputy Executive Officer  
Nydia Ibarra, Public Affairs Specialist  
Patricia Kwon, Program Supervisor  
Paul Wright, Information Technology Specialist  
Penny Shaw Cedillo, Senior Administrative Secretary  
Ray Gorski, MSRC Technical Advisor - Contractor  
Todd Warden, Sr. Public Information Specialist

**CALL TO ORDER**

- Chair McCallon called the meeting to order at 2:01 p.m.
- Roll call was taken at the start of the meeting.
- Chair McCallon asked for opening comments.

There were no opening comments.

- Chair McCallon asked for the status report on the Clean Transportation Policy Update.

Cynthia Ravenstein highlighted that the Voucher Incentive Program update was recently released by CARB and MSRC is partnering with South Coast AQMD on their implementation for the Plus Up program.

- Chair McCallon asked for disclosures.

Item #4 – MSRC Member Sydney Vergis commented she is required to identify for the record that she is a staff member of CARB which is involved in this item and due to her financial interest with CARB recused herself from this item.

Item #4 – MSRC Member John Dutrey commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of the SBCTA which is involved in this item.

Item #4 – MSRC Alternate Member John Valdivia commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of the SBCTA which is involved in this item.

Item #4 – MSRC Alternate Member Ray Marquez commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of the SBCTA which is involved in this item.

Items #4 and #5 – MSRC Member Ben Benoit commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of South Coast AQMD which is involved in these items.

Item #4 – Chair McCallon commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of South Coast AQMD and SBCTA which are involved in this item.

Item #5 – Chair McCallon commented he does not have a financial interest, but is required to identify for the record that he is a Board Member of the South Coast AQMD which is involved in this item.

### **CONSENT ITEMS (Items 1 through 3):**

#### **Receive and Approve**

##### **1. Minutes of the October 15 and November 19, 2020 MSRC Meetings**

Moved by Dutrey; seconded by Benoit; under approval of Consent Calendar Items #1 through #3, item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone

Noes: None

Action: Staff will include the minutes of the October 15 and November 19, 2020 MSRC Meetings in the MSRC Committee Report for the April 2, 2021 South Coast AQMD Board meeting.

#### **Information Only – Receive and File**

##### **2. MSRC Contracts Administrator's Report**

The MSRC AB 2766 Contracts Administrator's Report for January 28 through March 3, 2021 was included in the agenda package.

Moved by Dutrey; seconded by Benoit; under approval of Consent Calendar Items #1 through #3, item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone

Noes: None

Action: Staff will include the MSRC Contracts Administrator's Report in the MSRC Committee Report for the April 2, 2021 South Coast AQMD Board meeting.

##### **3. Financial Report on AB 2766 Discretionary Fund**

A financial report on the AB 2766 Discretionary Fund for February 2021 was included in the agenda package.

Moved by Dutrey; seconded by Benoit; under approval of Consent Calendar Items #1 through #3, item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone  
Noes: None  
Action: No further action is required.

#### **ACTION ITEMS (Items 4 through 8):**

#### **4. Consider Project Concepts Received under the Hydrogen Infrastructure Partnership Program**

As an element of their FYs 2016-18 Work Program, the MSRC allocated \$3,000,000 for the implementation of hydrogen refueling stations within South Coast AQMD's jurisdiction. A Program Opportunity Notice was released on April 6, 2018, which has a closing date of April 9, 2021. The PON encourages partnerships with regulatory agencies such as the California Energy Commission, South Coast AQMD, and CARB, but also allows participation by other public and private stakeholders. A geographic funding minimum of \$500,000 per county has been established, and \$1,000,000 has been awarded to date. Project concepts have been received from California State University Los Angeles Auxiliary Services and San Bernardino County Transportation Authority. The MSRC-TAC reviewed the project concepts and recommends that the MSRC seek the submission of full proposals from these project proponents, to include the specific information discussed in the staff report.

John Dutrey asked if the funding allocated was \$3 million or \$2 million. MSRC-TAC Chair AJ Marquez confirmed \$3 million was allocated for this project. \$1 million was awarded to UC Irvine which leaves a balance of \$2 million.

Moved by Dutrey; seconded by Leano; item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Yamarone  
Recusal: Vergis  
Noes: None  
Action: MSRC staff will contact the project proponents and request submission of full proposals

#### **5. Receive Status Update and Consider Midcourse Adjustment for Voucher Incentive Program (VIP) Plus Up**

As an element of their FYs 2018-21 Work Program, the MSRC allocated \$5,000,000 to partner with the South Coast AQMD for a VIP Plus Up Incentive. The baseline VIP offers incentives to encourage the replacement of older, higher-polluting vehicles with newer, lower-emission vehicles. The Plus Up offers an increased incentive to achieve additional surplus emission reductions.

Sydney Vergis inquired about the terminology of low NOx referred in the presentation. Cynthia Ravenstein confirmed she was referring to 0.02 g/bhp-hr NOx. Sydney Vergis noted that CARB's Omnibus Low NOx Rulemaking is anything that meets the Omnibus Low NOx standard of .01.

There was slow uptake for the VIP Plus Up during 2020. There was later than usual release of CARB VIP Guidelines, and fleets may have been cautious about embracing new fuel types during the uncertain times of the pandemic. For Class 8 vehicles, particularly, with the average cost of a qualifying new vehicle in the \$180,000 range, it seemed that the incentive amount might not be sufficient to overcome the cost differential and fleet concerns. It was considered that increasing the maximum combined incentive amount for Class 8 vehicles from \$100,000 to \$125,000 would revive interest in the Program. Simultaneously, \$2,500,000 of the funding previously allocated to VIP Plus Up could be redeployed to address immediate MSRC funding needs.

Moved by Dutrey; seconded by Benoit; item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone

Noes: None

Action: This item will be considered by the South Coast AQMD Board at its meeting on April 2, 2021.

**6. Consider Proposals Received under Cargo Handling Equipment & Infrastructure at Warehouse, Distribution & Intermodal Facilities in Riverside & San Bernardino Counties RFP**

As an element of their FYs 2018-21 Work Program, the MSRC initially allocated \$6,000,000 to partner with owners and/or operators of warehouses, distribution centers, logistics facilities and intermodal hubs located in Riverside or San Bernardino County to implement air pollution reduction strategies that reduce emissions generated from cargo handling equipment during shipping container movement and bulk material processing. RFP #P2021-08 was released on November 6, 2020 with a closing date of January 15, 2021. Six proposals were received by the deadline and found to meet the requirements of the RFP. The MSRC-TAC Inland Ports Subcommittee reviewed the proposals and recommended awards to Penske Truck Leasing, CMA CGM (America), and ITS Technologies and Logistics. The Subcommittee further recommended that the proposals from MHX and RDS Logistics be placed on the Backup List, and suggested that the MSRC consider further actions as described in the staff report should the MSRC allocate additional funds to this category. The MSRC-TAC reviewed the Subcommittee's recommendations and recommends approval.

MSRC Member Tim Shaw inquired about the cost effectiveness of proposers who did not score as high as others. Ray Gorski explained that the three higher scoring proposals offered a greater percentage of overall co-funding towards the total project cost and also scored higher in the project readiness scores. The three lower scoring proposals required substantive modifications. Tim Olson added that the higher scoring proposals also had greater detail about who their supply chain partners were.

Sydney Vergis noted she was excited about this particular category and asked if 70% was the cut-off line of what is considered satisfactory versus unsatisfactory. She asked if it's the case for this RFP or does that line change depending on the RFP. Ray Gorski explained that a firm cut-off is specific to the work program category and how the solicitation and the scoring criteria are designed. A 70 point threshold is specific to a specific RFP work program category and the evaluation criteria which are associated with that work program category.

Moved by Dutrey to approve the recommendations made by the MSRC-TAC to allocate \$2,537,775 of funds previously unallocated and approve both the recommended projects and recommended backup list projects; seconded by Benoit; item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone

Noes: None

Action: This item will be considered by the South Coast AQMD Board at its meeting on April 2, 2021.

#### **7. Consider Proposals Received under Trucking to Warehouse, Distribution & Intermodal Facilities in Riverside & San Bernardino Counties RFP**

As an element of their FYs 2018-21 Work Program, the MSRC initially allocated \$14,000,000 to partner with businesses which frequently transport goods to warehouses, distribution centers, logistics facilities and intermodal hubs located in Riverside or San Bernardino County to partially offset the cost of acquiring zero or near-zero emission heavy-duty trucks and associated infrastructure. RFP #P2021-07 was released on November 6, 2020 with a closing date of January 15, 2021. Eleven proposals were received by the deadline, and ten were found to meet the requirements of the RFP. The MSRC-TAC Inland Ports Subcommittee reviewed the proposals. The MSRC-TAC reviewed the Subcommittee's recommendations and recommends awards to Amazon Logistics, 4 Gen Logistics, Green Fleet Systems, Premium Transportation Services, and Ryder System. The Subcommittee further recommends that the proposals from MHX, Pac Anchor Transportation, Volvo Financial Services, Sea Logix, and CMA CGM (America) be placed on the Backup List, and suggests that the MSRC consider further actions as described in the staff report should the MSRC allocate additional funds to this category.



Chair McCallon commented that this is a good program and funding should be provided, especially with the warehouse activities that are going on in the Inland Empire.

John Dutrey inquired about new revenue coming in the next fiscal year. Ray Gorski explained that the new fiscal year for the MSRC commences on July 1. John Kampa added that at that point, MSRC's anticipated annual revenue would be approximately \$16.2 million. John Dutrey further asked if the \$16.2 million was in addition to the \$17.3 million balance MSRC currently has. Ray Gorski confirmed.

Matt Miyasato noted there were a couple proposals with Tesla trucks and asked what happens when those don't materialize and if there is a time frame by which MSRC can then direct those funds to the backup list. Ray Gorski explained that staff understands there's a desire to get zero emission trucks deployed as soon as possible and that they are working internally to ensure that there is some flexibility which could at least entertain the substitution of another zero emission asset, should one become unavailable and would bring it to the MSRC TAC and MSRC for approval.

Sydney Vergis noted that the scoring methodology used the Carl Moyer cost effectiveness calculations and asked if all these programs are requiring scrappage. Ray Gorski explained they used the methodology for quantifying cost effectiveness, but the program itself does not have a requirement to do scrappage. Sydney Vergis further added that these projects include combustion trucks that are not meeting the new Omnibus standard. She asked the Members if they are thinking about that calculation, given that the State is driving to zero emissions, zero emission trucks are available now and communities need zero emissions for relief in the most impacted areas.

MSRC Member Brian Berkson asked if there was a way to determine the measurable benefit of the number of vehicles or the amount of total reduction. He also commented that there were only a couple companies that asked for more than 50% of the overall cost, but believes a discussion was never had about having a required minimum contribution by each of these companies and suggested having one in the future. He concluded by asking if there was any consideration for how this program might be utilized down the road. Chair McCallon responded by noting there will be a new Work Program and this program could potentially be included. Tim Olson also provided feedback and noted that if this Item was approved, there would be about three dozen off-road electric yard tractors and pieces of equipment, about 115 new electric trucks on the road, and 195 CNG trucks on the road. He concluded by stating that by leaving the choice up to the applicant he believes is the key to a more substantial commitment in this whole process.

Brian Berkson inquired about a program mentioned on the radio regarding South

Coast AQMD offering \$180,000 to \$200,000 to switch out trucks and asked if staff was aware about it. Matt Miyasato stated it was the Proposition 1B program and it's a different program that offers \$100,000 for near-zero or 0.02 trucks and \$200,000 for zero emission trucks and it's targeted for specific goods movement applications.

Moved by Berkson to approve the recommendations made by the MSRC-TAC to allocate \$14,704,189 of funds previously unallocated and approve both the recommended projects and recommended backup list projects; seconded by Dutrey; item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone  
Noes: None  
Action: This item will be considered by the South Coast AQMD Board at its meeting on April 2, 2021.

**8. Consider Partnership Opportunities and Potential MSRC Funding Commitments to Participate in the California Energy Commission's Research Hub for Electric Technologies in Truck Applications (RHETTA) Program**

The MSRC has received two (2) unsolicited proposals seeking to establish a partnership in pursuit of funding from the California Energy Commission (CEC) under the RHETTA Program. The Los Angeles Cleantech Incubator (LACI) with project partner the Transportation Electrification Partnership (TEP) requests \$2.0M in MSRC co-funding; the University of California Riverside (UCR) requests \$1.5M in MSRC co-funding. Both LACI-TEP and UCR request that: 1) the MSRC partner with that entity in the pursuit of RHETTA funding, 2) the MSRC commit co-funding in the amount specified above towards implementation of the RHETTA project proposed to the CEC, and 3) the MSRC provide a letter for inclusion in their proposal stating the MSRC's commitment of project co-funding. If the MSRC determines that RHETTA participation is not within the MSRC's future work program pursuits, members can take no action at this time.

Chair McCallon noted he personally preferred the option to entertain future partnership with whoever gets the award.

Brian Berkson agreed with Chair McCallon and noted that it doesn't necessarily equate to what the MSRC's goals and policies are about how the money is spent and what Members are trying to get out of it, which is production of better air quality. He also noted that there's zero benefit in paying somebody to do some research and legwork, but don't get a product out in the market.

Chair McCallon added it would give members time to see if this would fit in the new program and it would be better to wait all the way around.

Moved by Berkson to take no action today and have the option to revisit this at a later time; seconded by Dutrey; item unanimously approved.

Ayes: Benoit, Berkson, Dutrey, Leano, McCallon, Shaw, Vergis, Yamarone

Noes: None

Action: MSRC Staff to monitor outcome of RHETTA selection process

**OTHER BUSINESS:**

**9. Other Business**

There was no other business.

**PUBLIC COMMENT PERIOD**

No comments were made on non-agenda items.

**ADJOURNMENT**

The meeting adjourned at 3:30 p.m.

**NEXT MEETING**

Thursday, April 15, 2021 at 2:00 p.m.

[Prepared by Alejandra Vega]

AGENDA ITEM #2

Summary of Final Reports by MSRC Contractors



MSRC Agenda Item No. 2

Date: June 17, 2021  
From: Ray Gorski, MSRC Technical Advisor  
Subject: Final Reports Received and Reviewed

One (1) Final Report was submitted for MSRC review and approval in May 2021:

- Orange County Transportation Authority, MS21003 (\$468,298– Clean Fuel Bus Service to OC Fair)

A summary of the Final Report is attached. The MSRC-TAC has reviewed this Final Report and recommends approval.

**Contractor:** Orange County Transportation Authority  
**Contract Number:** MS21003  
**Contract Amount:** \$468,298  
**Title:** Orange County Fair Event Center Transportation Program

## Discussion

OCTA was awarded \$468,298 in MSRC Clean Transportation Funding™ to operate the OC Fair Express special event service to the OC Fair in 2019. The OC Fair is a 129-year old tradition and is considered one of the largest fairs in the nation with over 1.3 million visitors. The popularity of the OC Fair results in high weekend traffic congestion that exceeds the current road capacity and results in harmful emissions from idling vehicles.



Target audiences included current bus riders, Metrolink rail riders and the general Orange County population. Marketing efforts were specifically targeted around each of nine the departure locations, and targeted both English and Spanish-speaking populations.

The objectives were to position public transportation as a cost effective, viable alternative to travelling to the fair; to create awareness and trial use by new riders and repeat use by current riders; and to encourage connectivity from Los Angeles and Riverside counties via Metrolink commuter rail service.

To maximize ridership potential, OCTA undertook a joint messaging campaign with the OC Fair positioning OC Fair Express the “Official Transportation Provider for the OC Fair”. A key component for success was a special discount for OC Fair Express riders – \$4 admission, which was an \$10 savings. This discount provided not only an incentive for ridership, but the savings could be used towards the grant required matched funds, thereby reducing the out-of-pocket needed.

A comprehensive marketing campaign was executed integrating a variety of tactics and communications platforms:

### *Print Media:*

- Targeted Direct Mail was distributed to households near 9 locations.
- Brochures with schedules and location maps distributed on buses and throughout the county.
- Print ads appeared in OC Register, Excelsior, Laguna Woods Globe, Chinese World News,

Korean Daily, Nguoi Viet.

- Ads appeared in customer bus books.

*Outdoor Media:*

- Bus exterior ads (ultra-super kings, kings and tails)
- Bus interior ads
- Bus and Metrolink transit center signage
- Mall banner ads (Westminster Mall, The Shops at Mission Viejo)
- Bus stop information
- Pole banners at all locations
- Metrolink station banners
- ARTIC signage

*Digital Media:*

- OC Bus website (dedicated page)
- OC Bus website banner ads
- Email (OCTA current customer base, previous OC Fair Express riders)
- Online banner ads
- Social: Facebook (organic posts and targeted paid ads), Instagram and Twitter
- Partner Blogs

*Kickoff Event:*

- Anaheim Regional Transportation Intermodal Center, including executive management
- Bags for customers (OC Fair tote, ride tickets, etc.)
- Direct Mail to residents around location
- Email (OCTA current customer base)
- Social: Facebook (organic posts and targeted paid ads),

*OC Fair Partnership:*

- \$4 Admission coupon
- Newspaper ads
- Bus Shelter Ads
- Digital ads
- OC Fair Website (banner ads, transit page)

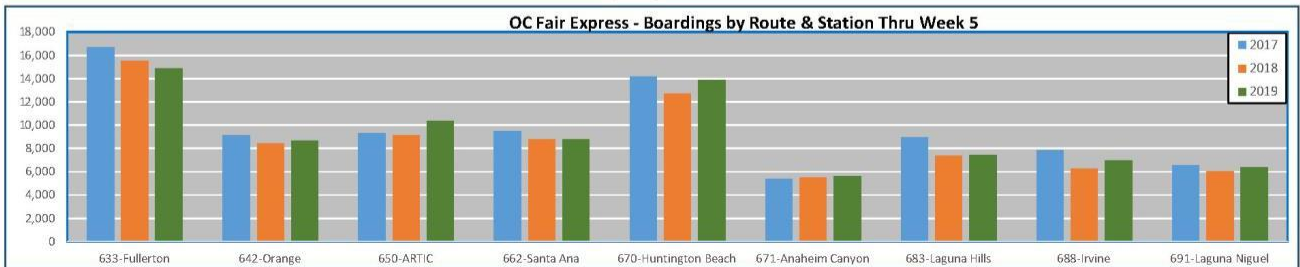
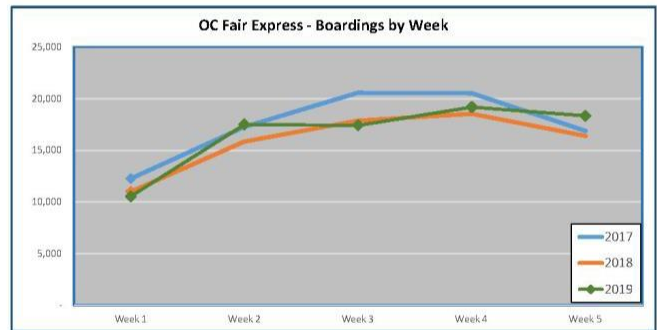
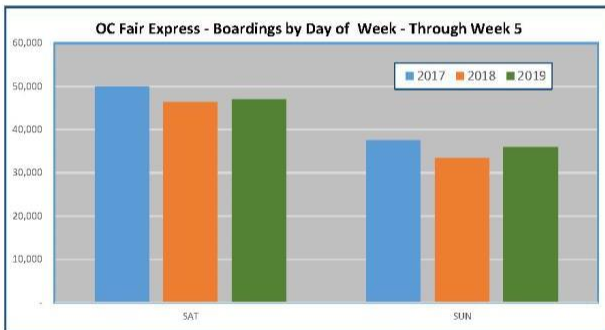
This special bus service has been an overwhelming success since it's relaunch in 2011, obtaining a 320 percent increase over the 2008 service. Ridership has increased each year (80% in 2012; 26.6% in 2013; 31% in 2014; 2.5 % in 2015; 20% in 2016; 33% in 2017). In 2018 ridership dropped 9%. OC Fair Express service rebounded in 2019, with a 4.2% increase in ridership and 83,010 boardings. Figure 1, below, shows year-over-year ridership statistics for the OC Fair Express:

Figure 1 – OC Fair Express Year-Over-Year Ridership Statistics



Orange County Transportation Authority  
 Special Services Ridership Update  
 2019 Season - TOTAL RIDERSHIP COMPARISON

OC FAIR EXPRESS: Through Week 5 of 2019												Total YTD 2018: 79,684		Total YTD 2019: 83,010		
Route	Saturday				Sunday				Total				Ranking	Ranking	Weather	Weather
	2018	2019	Δ	%Δ	2018	2019	Δ	%Δ	2018	2019	Δ	%Δ	2018	2019	2018	2019
633 - Fullerton	9,413	8,811	(602)	-6.4%	6,125	6,077	(48)	-0.8%	15,538	14,888	(650)	-4.2%	1	1	Saturday	Saturday
642 - Orange	4,827	4,932	105	2.2%	3,609	3,732	123	3.4%	8,436	8,664	228	2.7%	5	5	Hi: 80	Hi: 72
650 - ARTIC	5,074	5,955	881	17.4%	4,055	4,430	375	9.2%	9,129	10,385	1,256	13.8%	3	3	Lo: 72	Lo: 63
662 - Santa Ana	4,907	4,745	(162)	-3.3%	3,860	4,043	183	4.7%	8,767	8,788	21	0.2%	4	4		
670 - Huntington Beach	7,347	7,666	319	4.3%	5,326	6,189	863	16.2%	12,673	13,855	1,182	9.3%	2	2	Sunday	Sunday
671 - Anaheim Canyon	3,301	3,144	(157)	-4.8%	2,181	2,502	321	14.7%	5,482	5,646	164	3.0%	9	9	Hi: 80	Hi: 71
683 - Laguna Hills	4,109	4,059	(50)	-1.2%	3,231	3,407	176	5.4%	7,340	7,466	126	1.7%	6	6	Lo: 70	Lo: 66
688 - Irvine	3,873	4,210	337	8.7%	2,412	2,743	331	13.7%	6,285	6,953	668	10.6%	7	7		
691 - Laguna Niguel	3,430	3,505	75	2.2%	2,604	2,860	256	9.8%	6,034	6,365	331	5.5%	8	8		
<b>Total</b>	<b>46,281</b>	<b>47,027</b>	<b>746</b>	<b>1.6%</b>	<b>33,403</b>	<b>35,983</b>	<b>2,580</b>	<b>7.7%</b>	<b>79,684</b>	<b>83,010</b>	<b>3,326</b>	<b>4.2%</b>				



**Survey results:**

- 38 percent were new OC Bus riders
- 62 percent are repeat OC Fair Express riders; increase of 55% from last year
- 96 percent of riders were satisfied or very satisfied with the service
- 32 percent used OC Bus Mobile for payment
- Awareness of OC Fair Express service came from:
  - 29 percent – Rode last year
  - 23 percent – word of mouth
  - 85 percent – OC Fair website
  - 4.3 percent – digital ads
  - 4 percent – social media
  - 5 percent – direct mailer



*Digital Media results:*

- Achieved 57,219 website sessions, with 68% new users/sessions.
- 1540 paid web banner ads increased mobile users by 34% with 850,000 impressions
- Email campaign achieved an 18.32 percent open rate with a 2.18% CTR
- Facebook paid ads delivered 1,360,300 impressions, with a reach of 432,079 and achieving a 2.18 percent CTR

Figure 2 - Transit Center Signage (15 targeted displays at 8 bus & Metrolink station locations)



AGENDA ITEM #3

MSRC Contracts Administrator's Report

MSRC Agenda Item No. 3

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein

**SUBJECT:** AB 2766 Contracts Administrator's Report

**SYNOPSIS:** This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from April 29 to May 26, 2021.

**RECOMMENDATION:** Receive and file report

**WORK PROGRAM IMPACT:** None

**Contract Execution Status**

**2018-21 Work Program**

On April 5, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On September 6, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On December 6, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On September 4, 2020, the SCAQMD Governing Board approved an award under the Last Mile component of the MSRC's Regional Goods Movement Program. This contract is with the South Coast AQMD Board Chair for signature.

On April 2, 2021, the SCAQMD Governing Board approved five awards under the Zero and Near-Zero Emission Cargo Handling Equipment at Warehouse, Distribution and Intermodal Facilities in Riverside and San Bernardino Counties Program and ten awards under the Zero and Near-Zero Emission Trucking to Warehouse, Distribution and Intermodal Facilities in Riverside and San Bernardino Counties Program. These contracts are under development.

**Work Program Status**

Contract Status Reports for work program years with open and/or pending contracts are attached.

**FY 2010-11 Work Program Contracts**

One contract from this work program year is open; and 4 are in "Open/Complete" status.

*FY 2010-11 Invoices Paid*

No invoices were paid during this period.

***FY 2011-12 Work Program Contracts***

4 contracts from this work program year are open, and 12 are in “Open/Complete” status. One contract passed into “Open/Complete” status during this period: City of Coachella, Contract #MS12057 – Purchase One Heavy-Duty Natural Gas Vehicle and Conduct Street Sweeping Operations.

*FY 2011-12 Invoices Paid*

No invoices were paid during this period.

***FYs 2012-14 Work Program Contracts***

12 contracts from this work program year are open, and 23 are in “Open/Complete” status. 5 contracts closed during this period: County of Los Angeles, Department of Public Works, Contract #ML14023 – Modify Maintenance Facility in Westchester; City of Lake Elsinore, Contract #ML14034 – Install EV Charging Stations; Midway City Sanitary District, Contract #MS14074 – Install Limited Access CNG Station and Modify Maintenance Facility; County Sanitation Districts of Los Angeles County, Contract #MS14077 – Install New Limited Access CNG Station; and City of Monterey Park, Contract #M14090 – Expand Existing CNG Station.

*FYs 2012-14 Invoices Paid*

No invoices were paid during this period.

***FYs 2014-16 Work Program Contracts***

33 contracts from this work program year are open, and 30 are in “Open/Complete” status. One contract closed during this period: City of Azusa, Contract #SML16032 – Implement “Complete Streets” Pedestrian Improvement Program.

*FYs 2014-16 Invoices Paid*

3 invoices totaling \$640,826.00 were paid during this period.

***FYs 2016-18 Work Program Contracts***

102 contracts from this work program year are open, and 40 are in “Open/Complete” status. At their April 2021 meeting, the MSRC authorized a substitute scope for the City of San Dimas. That contract is under development. One contract passed into “Open/Complete” status during this period: City of La Habra, Contract #ML18143 – Install EV Charging Stations.

6 invoices totaling \$246,770.01 were paid during this period.

***FYs 2018-21 Work Program Contracts***

4 contracts from this work program year are open.

No invoices were paid during this period.

***Administrative Scope Changes***

One administrative scope change was initiated during the period from April 29 to May 26, 2021:

- City of Anaheim, Contract #ML18038 (Procure 5 Light-Duty Zero Emission Vehicles and Install 27 Level II EV Charging Stations) – Reduce charging stations from 27 to 16 and reduce value by \$69,870

**Attachments**

- FY 2007-08 through FYs 2018-21 (except FY 2009-10) Contract Status Reports



## AB2766 Discretionary Fund Program Invoices

April 29 to May 26, 2021

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2014-2016 Work Program</i>							
5/5/2021	5/5/2021	5/6/2021		MS16120	Omnitrans	MS16120-1	\$299,250.00
5/11/2021	5/18/2021	5/25/2021	5/27/2021	ML16052	City of Rancho Cucamonga	130353/FIN	\$305,576.00
5/12/2021	5/18/2021	5/25/2021		ML16007	City of Culver City Transportation Department	ML16007-02	\$36,000.00
<b>Total: \$640,826.00</b>							
<i>2016-2018 Work Program</i>							
4/29/2021	5/5/2021	5/6/2021	5/7/2021	ML18143	City of La Habra	1-FINAL	\$80,700.00
5/12/2021	5/18/2021	5/25/2021		MS18066	El Dorado National	04222021	\$100,000.00
5/4/2021	5/18/2021	5/25/2021		MS18023	Riverside County Transportation Commission	02560	\$65,111.01
5/5/2021	5/5/2021	5/6/2021		MS18003	Geographics	21-22370	\$373.00
5/5/2021	5/5/2021	5/6/2021		MS18003	Geographics	21-22414	\$373.00
5/5/2021	5/5/2021	5/6/2021		MS18003	Geographics	21-22413	\$213.00

**Total: \$246,770.01**

**Total This Period: \$887,596.01**



## FYs 2008-09 Through 2018-21 AB2766 Contract Status Report

6/10/2021

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b><i>FY 2008-2009 Contracts</i></b>									
<b><i>Declined/Cancelled Contracts</i></b>									
ML09017	County of San Bernardino Public Wo	1/28/2010	7/27/2016		\$200,000.00	\$0.00	8 Nat. Gas Heavy-Duty Vehicles	\$200,000.00	No
ML09018	Los Angeles Department of Water an	7/16/2010	9/15/2012		\$850,000.00	\$0.00	Retrofit 85 Off-Road Vehicles w/DECS	\$850,000.00	No
ML09019	City of San Juan Capistrano Public	12/4/2009	11/3/2010		\$10,125.00	\$0.00	Remote Vehicle Diagnostics/45 Vehicles	\$10,125.00	No
ML09022	Los Angeles County Department of P				\$8,250.00	\$0.00	Remote Vehicle Diagnostics/15 Vehicles	\$8,250.00	No
ML09025	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$50,000.00	\$0.00	Remote Vehicle Diagnostics/85 Vehicles	\$50,000.00	No
ML09028	Riverside County Waste Manageme				\$140,000.00	\$0.00	Retrofit 7 Off-Road Vehicles w/DECS	\$140,000.00	No
ML09039	City of Inglewood				\$310,000.00	\$0.00	Purchase 12 H.D. CNG Vehicles and Remot	\$310,000.00	No
ML09040	City of Cathedral City				\$83,125.00	\$0.00	Purchase 3 H.D. CNG Vehicles and Remote	\$83,125.00	No
ML09044	City of San Dimas				\$425,000.00	\$0.00	Install CNG Station and Purchase 1 CNG S	\$425,000.00	No
ML09045	City of Orange				\$125,000.00	\$0.00	Purchase 5 CNG Sweepers	\$125,000.00	No
<b>Total: 10</b>									
<b><i>Closed Contracts</i></b>									
ML09007	City of Rancho Cucamonga	2/26/2010	4/25/2012		\$117,500.00	\$62,452.57	Maintenance Facility Modification	\$55,047.43	Yes
ML09008	City of Culver City Transportation De	1/19/2010	7/18/2016	7/18/2017	\$175,000.00	\$175,000.00	8 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09009	City of South Pasadena	11/5/2010	12/4/2016	3/4/2019	\$125,930.00	\$125,930.00	CNG Station Expansion	\$0.00	Yes
ML09010	City of Palm Springs	1/8/2010	2/7/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09011	City of San Bernardino	2/19/2010	5/18/2016		\$250,000.00	\$250,000.00	10 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09012	City of Gardena	3/12/2010	11/11/2015		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09013	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$144,470.00	\$128,116.75	Traffic Signal Synchr./Moreno Valley	\$16,353.25	Yes
ML09014	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$113,030.00	\$108,495.94	Traffic Signal Synchr./Corona	\$4,534.06	Yes
ML09015	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$80,060.00	\$79,778.52	Traffic Signal Synchr./Co. of Riverside	\$281.48	Yes
ML09016	County of San Bernardino Public Wo	1/28/2010	3/27/2014		\$50,000.00	\$50,000.00	Install New CNG Station	\$0.00	Yes
ML09020	County of San Bernardino	8/16/2010	2/15/2012		\$49,770.00	\$49,770.00	Remote Vehicle Diagnostics/252 Vehicles	\$0.00	Yes
ML09021	City of Palm Desert	7/9/2010	3/8/2012		\$39,450.00	\$38,248.87	Traffic Signal Synchr./Rancho Mirage	\$1,201.13	Yes
ML09023	Los Angeles County Department of P	12/10/2010	12/9/2017		\$50,000.00	\$50,000.00	2 Heavy-Duty Alternative Fuel Transit Vehicl	\$0.00	Yes
ML09026	Los Angeles County Department of P	10/15/2010	10/14/2017	4/14/2019	\$150,000.00	\$80,411.18	3 Off-Road Vehicles Repowers	\$69,588.82	Yes
ML09027	Los Angeles County Department of P	7/23/2010	3/22/2012	6/22/2012	\$150,000.00	\$150,000.00	Freeway Detector Map Interface	\$0.00	Yes
ML09029	City of Whittier	11/6/2009	4/5/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09030	City of Los Angeles GSD/Fleet Servi	6/18/2010	6/17/2011		\$22,310.00	\$22,310.00	Remote Vehicle Diagnostics/107 Vehicles	\$0.00	Yes
ML09031	City of Los Angeles Dept of General	10/29/2010	10/28/2017		\$825,000.00	\$825,000.00	33 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09032	Los Angeles World Airports	4/8/2011	4/7/2018		\$175,000.00	\$175,000.00	7 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML09033	City of Beverly Hills	3/4/2011	5/3/2017	1/3/2019	\$550,000.00	\$550,000.00	10 Nat. Gas Heavy-Duty Vehicles & CNG St	\$0.00	Yes
ML09034	City of La Palma	11/25/2009	6/24/2015		\$25,000.00	\$25,000.00	1 LPG Heavy-Duty Vehicle	\$0.00	Yes
ML09035	City of Fullerton	6/17/2010	6/16/2017	6/16/2018	\$450,000.00	\$450,000.00	2 Heavy-Duty CNG Vehicles & Install CNG	\$0.00	Yes
ML09037	City of Redondo Beach	6/18/2010	6/17/2016		\$50,000.00	\$50,000.00	Purchase Two CNG Sweepers	\$0.00	Yes
ML09038	City of Chino	9/27/2010	5/26/2017		\$250,000.00	\$250,000.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09041	City of Los Angeles, Bureau of Sanit	10/1/2010	9/30/2017		\$875,000.00	\$875,000.00	Purchase 35 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML09042	Los Angeles Department of Water an	12/10/2010	12/9/2017		\$1,400,000.00	\$1,400,000.00	Purchase 56 Dump Trucks	\$0.00	Yes
ML09043	City of Covina	10/8/2010	4/7/2017	10/7/2018	\$179,591.00	\$179,591.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09046	City of Newport Beach	5/20/2010	5/19/2016		\$162,500.00	\$162,500.00	Upgrade Existing CNG Station, Maintenance	\$0.00	Yes
ML09047	Los Angeles County Department of P	8/13/2014	8/12/2015	11/12/2015	\$400,000.00	\$272,924.53	Maintenance Facility Modifications	\$127,075.47	Yes

**Total: 29**

**Closed/Incomplete Contracts**

ML09024	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
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**Total: 1**

**Open/Complete Contracts**

ML09036	City of Long Beach Fleet Services B	5/7/2010	5/6/2017	11/6/2022	\$875,000.00	\$875,000.00	Purchase 35 Natural Gas Refuse Trucks	\$0.00	Yes
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**Total: 1**



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2010-2011 Contracts</b>									
<b>Open Contracts</b>									
ML11029	City of Santa Ana	9/7/2012	3/6/2020	3/6/2023	\$262,500.00	\$75,000.00	Expansion of Existing CNG Station, Install N	\$187,500.00	No
<b>Total: 1</b>									
<b>Declined/Cancelled Contracts</b>									
ML11038	City of Santa Monica	5/18/2012	7/17/2018		\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
MS11013	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Huntington Beach	\$150,000.00	No
MS11014	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Santa Ana	\$150,000.00	No
MS11015	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Inglewood	\$150,000.00	No
MS11046	Luis Castro				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11047	Ivan Borjas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11048	Phase II Transportation				\$1,080,000.00	\$0.00	Repower 27 Heavy-Duty Vehicles	\$1,080,000.00	No
MS11049	Ruben Caceras				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11050	Carlos Arrue				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11051	Francisco Vargas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11053	Jose Ivan Soltero				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11054	Albino Meza				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11059	Go Natural Gas				\$150,000.00	\$0.00	New Public Access CNG Station - Paramou	\$150,000.00	No
MS11063	Standard Concrete Products				\$310,825.00	\$0.00	Retrofit Two Off-Road Vehicles under Showc	\$310,825.00	No
MS11070	American Honda Motor Company				\$100,000.00	\$0.00	Expansion of Existing CNG Station	\$100,000.00	No
MS11072	Trillium USA Company DBA Californi				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS11077	DCL America Inc.				\$263,107.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$263,107.00	No
MS11083	Cattrac Construction, Inc.				\$500,000.00	\$0.00	Install DECS on Eight Off-Road Vehicles	\$500,000.00	No
MS11084	Ivanhoe Energy Services and Develo				\$66,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$66,750.00	No
MS11088	Diesel Emission Technologies				\$32,750.00	\$0.00	Retrofit Three H.D. Off-Road Vehicles Under	\$32,750.00	No
MS11089	Diesel Emission Technologies				\$9,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$9,750.00	No
MS11090	Diesel Emission Technologies				\$14,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$14,750.00	No
<b>Total: 22</b>									
<b>Closed Contracts</b>									
ML11007	Coachella Valley Association of Gov	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	Yes
ML11020	City of Indio	2/1/2013	3/31/2019	9/30/2020	\$15,000.00	\$9,749.50	Retrofit one H.D. Vehicles w/DECS, repower	\$5,250.50	Yes
ML11021	City of Whittier	1/27/2012	9/26/2018	6/26/2019	\$210,000.00	\$210,000.00	Purchase 7 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11022	City of Anaheim	3/16/2012	7/15/2018		\$150,000.00	\$150,000.00	Purchase of 5 H.D. Vehicles	\$0.00	Yes
ML11023	City of Rancho Cucamonga	4/20/2012	12/19/2018	9/19/2020	\$260,000.00	\$260,000.00	Expand Existing CNG Station, 2 H.D. Vehicl	\$0.00	Yes
ML11026	City of Redlands	3/2/2012	10/1/2018		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11027	City of Los Angeles, Dept. of General	5/4/2012	7/3/2015	1/3/2016	\$300,000.00	\$300,000.00	Maintenance Facility Modifications	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML11028	City of Glendale	1/13/2012	5/12/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. CNG Vehicles	\$0.00	Yes
ML11030	City of Fullerton	2/3/2012	3/2/2018		\$109,200.00	\$109,200.00	Purchase 2 Nat. Gas H.D. Vehicles, Retrofit	\$0.00	Yes
ML11031	City of Culver City Transportation De	12/2/2011	12/1/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11032	City of Gardena	3/2/2012	9/1/2018	10/1/2020	\$102,500.00	\$102,500.00	Purchase Heavy-Duty CNG Vehicle, Install S	\$0.00	Yes
ML11033	City of Los Angeles, Bureau of Sanit	3/16/2012	1/15/2019		\$1,080,000.00	\$1,080,000.00	Purchase 36 LNG H.D. Vehicles	\$0.00	Yes
ML11034	City of Los Angeles Dept of General	5/4/2012	1/3/2019		\$630,000.00	\$630,000.00	Purchase 21 H.D. CNG Vehicles	\$0.00	Yes
ML11035	City of La Quinta	11/18/2011	11/17/2012		\$25,368.00	\$25,368.00	Retrofit 3 On-Road Vehicles w/DECS	\$0.00	Yes
ML11036	City of Riverside	1/27/2012	1/26/2019	3/26/2021	\$670,000.00	\$670,000.00	Install New CNG Station, Purchase 9 H.D. N	\$0.00	Yes
ML11037	City of Anaheim	12/22/2012	12/21/2019		\$300,000.00	\$300,000.00	Purchase 12 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11039	City of Ontario, Housing & Municipal	1/27/2012	9/26/2018		\$180,000.00	\$180,000.00	Purchase 6 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11041	City of Santa Ana	9/7/2012	11/6/2018	1/6/2021	\$265,000.00	\$244,651.86	Purchase 7 LPG H.D. Vehicles, Retrofit 6 H.	\$20,348.14	Yes
ML11042	City of Chino	2/17/2012	4/16/2018		\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle, Repower	\$0.00	Yes
ML11043	City of Hemet Public Works	2/3/2012	2/2/2019		\$60,000.00	\$60,000.00	Purchase 2 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11044	City of Ontario, Housing & Municipal	1/27/2012	6/26/2019		\$400,000.00	\$400,000.00	Expand Existing CNG Station	\$0.00	Yes
ML11045	City of Newport Beach	2/3/2012	8/2/2018	3/2/2021	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
MS11001	Mineral LLC	4/22/2011	4/30/2013	4/30/2015	\$111,827.00	\$103,136.83	Design, Develop, Host and Maintain MSRC	\$8,690.17	Yes
MS11002	A-Z Bus Sales, Inc.	7/15/2011	12/31/2011	6/30/2013	\$1,705,000.00	\$1,705,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11003	BusWest	7/26/2011	12/31/2011	12/31/2012	\$1,305,000.00	\$1,305,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11004	Los Angeles County MTA	9/9/2011	2/29/2012		\$450,000.00	\$299,743.34	Clean Fuel Transit Service to Dodger Stadiu	\$150,256.66	Yes
MS11006	Orange County Transportation Autho	10/7/2011	2/29/2012	8/31/2012	\$268,207.00	\$160,713.00	MetroLink Service to Angel Stadium	\$107,494.00	Yes
MS11008	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11009	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11010	Border Valley Trading	8/26/2011	10/25/2017	4/25/2020	\$150,000.00	\$150,000.00	New LNG Station	\$0.00	Yes
MS11011	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Signal Hill	\$0.00	Yes
MS11012	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Buena Park	\$0.00	Yes
MS11016	CR&R Incorporated	4/12/2013	10/11/2019		\$100,000.00	\$100,000.00	New CNG Station - Perris	\$0.00	Yes
MS11017	CR&R, Inc.	3/2/2012	2/1/2018		\$100,000.00	\$100,000.00	Expansion of existing station - Garden Grove	\$0.00	Yes
MS11018	Orange County Transportation Autho	10/14/2011	1/31/2012		\$211,360.00	\$211,360.00	Express Bus Service to Orange County Fair	\$0.00	Yes
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$225,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11052	Krisda Inc	9/27/2012	6/26/2013		\$120,000.00	\$120,000.00	Repower Three Heavy-Duty Vehicles	\$0.00	Yes
MS11055	KEC Engineering	2/3/2012	8/2/2018	8/2/2019	\$200,000.00	\$200,000.00	Repower 5 H.D. Off-Road Vehicles	\$0.00	Yes
MS11056	Better World Group Advisors	12/30/2011	12/29/2013	12/29/2015	\$206,836.00	\$186,953.46	Programmatic Outreach Services	\$19,882.54	Yes
MS11057	Riverside County Transportation Co	7/28/2012	3/27/2013		\$100,000.00	\$89,159.40	Develop and Implement 511 "Smart Phone"	\$10,840.60	Yes
MS11058	L A Service Authority for Freeway E	5/31/2013	4/30/2014		\$123,395.00	\$123,395.00	Implement 511 "Smart Phone" Application	\$0.00	Yes
MS11060	Rowland Unified School District	8/17/2012	1/16/2019	1/16/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11061	Eastern Municipal Water District	3/29/2012	5/28/2015		\$11,659.00	\$1,450.00	Retrofit One Off-Road Vehicle under Showc	\$10,209.00	Yes
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showc	\$5,501.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11065	Temecula Valley Unified School Distr	8/11/2012	1/10/2019		\$50,000.00	\$48,539.62	Expansion of Existing CNG Station	\$1,460.38	Yes
MS11066	Torrance Unified School District	11/19/2012	9/18/2018		\$42,296.00	\$42,296.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11067	City of Redlands	5/24/2012	11/23/2018	11/23/2019	\$85,000.00	\$85,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11068	Ryder System Inc.	7/28/2012	10/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Fontana)	\$0.00	Yes
MS11069	Ryder System Inc.	7/28/2012	8/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Orange)	\$0.00	Yes
MS11071	City of Torrance Transit Department	12/22/2012	1/21/2019	1/21/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11074	SunLine Transit Agency	5/11/2012	7/31/2012		\$41,849.00	\$22,391.00	Transit Service for Coachella Valley Festival	\$19,458.00	Yes
MS11079	Bear Valley Unified School District	2/5/2013	10/4/2019		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11080	Southern California Regional Rail Aut	4/6/2012	7/31/2012		\$26,000.00	\$26,000.00	MetroLink Service to Auto Club Speedway	\$0.00	Yes
MS11086	DCL America Inc.	6/7/2013	10/6/2016		\$500,000.00	\$359,076.96	Retrofit Eight H.D. Off-Road Vehicles Under	\$140,923.04	Yes
MS11087	Cemex Construction Material Pacific,	10/16/2012	2/15/2016		\$448,766.00	\$448,760.80	Retrofit 13 H.D. Off-Road Vehicles Under Sh	\$5.20	Yes
MS11092	Griffith Company	2/15/2013	6/14/2016	12/14/2017	\$390,521.00	\$78,750.00	Retrofit 17 H.D. Off-Road Vehicles Under Sh	\$311,771.00	Yes

**Total: 56**

**Closed/Incomplete Contracts**

MS11064	City of Hawthorne	7/28/2012	8/27/2018	8/27/2019	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11076	SA Recycling, LLC	5/24/2012	9/23/2015		\$424,801.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$424,801.00	No
MS11081	Metropolitan Stevedore Company	9/7/2012	1/6/2016		\$45,416.00	\$0.00	Install DECS on Two Off-Road Vehicles	\$45,416.00	No
MS11082	Baumot North America, LLC	8/2/2012	12/1/2015		\$65,958.00	\$4,350.00	Install DECS on Four Off-Road Vehicles	\$61,608.00	Yes
MS11085	City of Long Beach Fleet Services B	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Unde	\$159,012.00	No
MS11091	California Cartage Company, LLC	4/5/2013	8/4/2016	2/4/2018	\$55,000.00	\$0.00	Retrofit Two H.D. Off-Road Vehicles Under	\$55,000.00	No

**Total: 6**

**Open/Complete Contracts**

ML11024	County of Los Angeles, Dept of Publi	12/5/2014	6/4/2022		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11025	County of Los Angeles Department o	3/14/2014	9/13/2021		\$150,000.00	\$150,000.00	Purchase 5 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11040	City of South Pasadena	5/4/2012	1/3/2019	1/3/2022	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
MS11073	Los Angeles Unified School District	9/11/2015	2/10/2022		\$175,000.00	\$175,000.00	Expansion of Existing CNG Station	\$0.00	Yes

**Total: 4**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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### **FY 2011-2012 Contracts**

#### **Open Contracts**

ML12014	City of Santa Ana	11/8/2013	8/7/2020	8/7/2021	\$338,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$333,291.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	6/13/2025	\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	No
ML12090	City of Palm Springs	10/9/2015	10/8/2021	9/8/2025	\$21,163.00	\$0.00	EV Charging Infrastructure	\$21,163.00	No
ML12091	City of Bellflower	10/5/2018	10/4/2019	6/30/2021	\$100,000.00	\$34,759.94	EV Charging Infrastructure	\$65,240.06	No

**Total: 4**

#### **Declined/Cancelled Contracts**

ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructure	\$60,000.00	No
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Access CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Mus	\$99,000.00	No

**Total: 12**

#### **Closed Contracts**

ML12013	City of Pasadena	10/19/2012	3/18/2015	9/18/2015	\$200,000.00	\$65,065.00	Electric Vehicle Charging Infrastructure	\$134,935.00	Yes
ML12019	City of Palm Springs	9/6/2013	7/5/2015		\$38,000.00	\$16,837.00	EV Charging Infrastructure	\$21,163.00	Yes
ML12020	City of Los Angeles Dept of General	9/27/2012	3/26/2019	3/26/2020	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12021	City of Rancho Cucamonga	9/14/2012	1/13/2020		\$40,000.00	\$40,000.00	Four Medium-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12022	City of La Puente	12/6/2013	6/5/2020		\$110,000.00	\$110,000.00	2 Medium-Duty and Three Heavy-Duty CNG	\$0.00	Yes
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$192,333.00	EV Charging Infrastructure	\$57,667.00	Yes
ML12037	Coachella Valley Association of Gov	3/14/2013	3/13/2014		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$90,000.00	Three Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	11/3/2015	11/3/2017	\$68,977.00	\$38,742.16	EV Charging Infrastructure	\$30,234.84	Yes
ML12042	City of Chino Hills	1/18/2013	3/17/2017		\$87,500.00	\$87,500.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12046	City of Irvine	8/11/2013	3/10/2021		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12047	City of Orange	2/1/2013	1/31/2019		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12049	City of Rialto Public Works	7/14/2014	9/13/2015		\$30,432.00	\$3,265.29	EV Charging Infrastructure	\$27,166.71	Yes
ML12050	City of Baldwin Park	4/25/2013	4/24/2014	10/24/2014	\$402,400.00	\$385,363.00	EV Charging Infrastructure	\$17,037.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12054	City of Palm Desert	9/30/2013	2/28/2015		\$77,385.00	\$77,385.00	EV Charging Infrastructure	\$0.00	Yes
ML12055	City of Manhattan Beach	3/1/2013	12/31/2018		\$10,000.00	\$10,000.00	One Medium-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12056	City of Cathedral City	3/26/2013	5/25/2014		\$25,000.00	\$25,000.00	Regional Street Sweeping Program	\$0.00	Yes
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$5,900.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
MS12001	Los Angeles County MTA	7/1/2012	4/30/2013		\$300,000.00	\$211,170.00	Clean Fuel Transit Service to Dodger Stadium	\$88,830.00	Yes
MS12002	Orange County Transportation Autho	9/7/2012	4/30/2013		\$342,340.00	\$333,185.13	Express Bus Service to Orange County Fair	\$9,154.87	Yes
MS12003	Orange County Transportation Autho	7/20/2012	2/28/2013		\$234,669.00	\$167,665.12	Implement Metrolink Service to Angel Stadium	\$67,003.88	Yes
MS12004	USA Waste of California, Inc.	10/24/2013	11/23/2019		\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12005	USA Waste of California, Inc.	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12006	Waste Management Collection & Re	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12008	Bonita Unified School District	7/12/2013	12/11/2019	4/11/2021	\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12009	Sysco Food Services of Los Angeles	1/7/2014	4/6/2020		\$150,000.00	\$150,000.00	Construct New Public-Access LNG Station	\$0.00	Yes
MS12010	Murrieta Valley Unified School Distric	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12011	Southern California Gas Company	6/14/2013	6/13/2019	5/28/2021	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12012	Rim of the World Unified School Dist	12/20/2012	5/19/2014		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12024	Southern California Gas Company	6/13/2013	12/12/2019	11/12/2020	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12025	Silverado Stages, Inc.	11/2/2012	7/1/2018		\$150,000.00	\$150,000.00	Purchase Six Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$353,048.26	Purchase 23 Medium-Heavy Duty Vehicles	\$146,951.74	Yes
MS12028	Dy-Dee Service of Pasadena, Inc.	12/22/2012	1/21/2019		\$45,000.00	\$40,000.00	Purchase 2 Medium-Duty and 1 Medium-He	\$5,000.00	Yes
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	Yes
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$50,000.00	\$32,446.00	Purchase 2 Medium-Heavy Duty Vehicles	\$17,554.00	Yes
MS12032	Fox Transportation	12/14/2012	12/13/2018		\$500,000.00	\$500,000.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12035	Disneyland Resort	1/4/2013	7/3/2019		\$25,000.00	\$18,900.00	Purchase 1 Medium-Heavy Duty Vehicle	\$6,100.00	Yes
MS12036	Jim & Doug Carter's Automotive/VSP	1/4/2013	11/3/2018		\$50,000.00	\$50,000.00	Purchase 2 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12058	Krisda Inc	4/24/2013	1/23/2019		\$25,000.00	\$25,000.00	Repower One Heavy-Duty Off-Road Vehicle	\$0.00	Yes
MS12059	Orange County Transportation Autho	2/28/2013	12/27/2014		\$75,000.00	\$75,000.00	Maintenance Facilities Modifications	\$0.00	Yes
MS12060	City of Santa Monica	4/4/2014	8/3/2017	8/3/2019	\$500,000.00	\$434,202.57	Implement Westside Bikeshare Program	\$65,797.43	Yes
MS12061	Orange County Transportation Autho	3/14/2014	3/13/2017		\$224,000.00	\$114,240.00	Transit-Oriented Bicycle Sharing Program	\$109,760.00	Yes
MS12062	Fraser Communications	12/7/2012	5/31/2014		\$998,669.00	\$989,218.49	Develop & Implement "Rideshare Thursday"	\$9,450.51	Yes
MS12063	Custom Alloy Light Metals, Inc.	8/16/2013	2/15/2020		\$100,000.00	\$100,000.00	Install New Limited Access CNG Station	\$0.00	Yes
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$56,443.92	Implement Anaheim Circulator Service	\$70,852.08	Yes
MS12065	Orange County Transportation Autho	7/27/2013	11/30/2013		\$43,933.00	\$14,832.93	Ducks Express Service to Honda Center	\$29,100.07	Yes
MS12068	Southern California Regional Rail Aut	3/1/2013	9/30/2013		\$57,363.00	\$47,587.10	Implement Metrolink Service to Autoclub Sp	\$9,775.90	Yes
MS12069	City of Irvine	8/11/2013	2/28/2014		\$45,000.00	\$26,649.41	Implement Special Transit Service to Solar	\$18,350.59	Yes
MS12071	Transit Systems Unlimited, Inc.	5/17/2013	12/16/2018		\$21,250.00	\$21,250.00	Expansion of Existing CNG Station	\$0.00	Yes
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$100,000.00	Construct New CNG Station	\$0.00	Yes
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$150,000.00	Construct New CNG Station	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12076	City of Ontario, Housing & Municipal	3/8/2013	4/7/2015		\$75,000.00	\$75,000.00	Maintenance Facilities Modification	\$0.00	Yes
MS12078	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$73,107.00	Maintenance Facility Modifications - Vernon	\$1,893.00	Yes
MS12081	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$75,000.00	Maintenance Facility Modifications - Santa A	\$0.00	Yes
MS12085	Bear Valley Unified School District	4/25/2013	6/24/2014		\$75,000.00	\$75,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS12086	SuperShuttle International, Inc.	3/26/2013	3/25/2019		\$225,000.00	\$225,000.00	Purchase 23 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12087	Los Angeles County MTA	8/29/2013	11/28/2015		\$125,000.00	\$125,000.00	Implement Rideshare Incentives Program	\$0.00	Yes
MS12088	Orange County Transportation Autho	12/6/2013	3/5/2016		\$125,000.00	\$18,496.50	Implement Rideshare Incentives Program	\$106,503.50	Yes
MS12089	Riverside County Transportation Co	10/18/2013	9/17/2015		\$249,136.00	\$105,747.48	Implement Rideshare Incentives Program	\$143,388.52	Yes
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	Yes

**Total: 61**

**Closed/Incomplete Contracts**

ML12051	City of Bellflower	2/7/2014	2/6/2016	5/6/2018	\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No
MS12077	City of Coachella	6/14/2013	6/13/2020		\$225,000.00	\$0.00	Construct New CNG Station	\$225,000.00	No
MS12079	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Boyle H	\$75,000.00	No
MS12084	Airport Mobil Inc.	12/6/2013	5/5/2020		\$150,000.00	\$0.00	Install New CNG Infrastructure	\$150,000.00	No

**Total: 4**

**Open/Complete Contracts**

ML12015	City of Fullerton	4/25/2013	11/24/2020	11/24/2021	\$40,000.00	\$40,000.00	HD CNG Vehicle, Expand CNG Station	\$0.00	Yes
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020	11/25/2021	\$950,000.00	\$950,000.00	32 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12018	City of West Covina	10/18/2013	10/17/2020	8/17/2023	\$300,000.00	\$300,000.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12043	City of Hemet	6/24/2013	9/23/2019	11/23/2021	\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12057	City of Coachella	8/28/2013	8/27/2019	1/27/2022	\$57,456.00	\$57,456.00	Purchase One Nat. Gas H.D. Vehicle/Street	\$0.00	Yes
MS12033	Mike Diamond/Phace Management	12/22/2012	12/21/2018	6/21/2021	\$148,900.00	\$148,900.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12034	Ware Disposal Company, Inc.	11/2/2012	11/1/2018	5/1/2022	\$133,070.00	\$133,070.00	Purchase 8 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12075	CR&R Incorporated	7/27/2013	1/26/2021	1/26/2022	\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12080	City of Pasadena	11/8/2013	8/7/2020	2/7/2022	\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021	2/19/2023	\$175,000.00	\$175,000.00	Install New CNG Infrastructure	\$0.00	Yes
MS12083	Brea Olinda Unified School District	7/30/2015	2/29/2024		\$59,454.00	\$59,454.00	Install New CNG Infrastructure	\$0.00	Yes

**Total: 11**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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### FY 2012-2014 Contracts

#### Open Contracts

ML14012	City of Santa Ana	2/13/2015	10/12/2021		\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/30/2024	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14024	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2021	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Baldwin Par	\$230,000.00	No
ML14027	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	12/1/2025	\$492,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$492,000.00	No
ML14030	County of Los Angeles Internal Servi	1/9/2015	3/8/2018	7/30/2021	\$425,000.00	\$25,000.00	Bicycle Racks, Outreach & Education	\$400,000.00	No
ML14072	City of Cathedral City	8/13/2014	1/12/2021	7/12/2022	\$41,000.00	\$35,089.03	Install Bicycle Racks & Implement Bicycle E	\$5,910.97	No
ML14097	County of Los Angeles Internal Servi	9/6/2019	9/5/2020	9/5/2021	\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
MS14057	Los Angeles County MTA	11/7/2014	10/6/2019	10/6/2023	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018	3/4/2022	\$1,250,000.00	\$899,594.08	Implement Various Signal Synchronization P	\$350,405.92	No
MS14072	San Bernardino County Transportatio	3/27/2015	3/26/2018	3/26/2022	\$1,250,000.00	\$887,566.17	Implement Various Signal Synchronization P	\$362,433.83	No
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	2/13/2024	\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022		\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No

**Total: 12**

#### Declined/Cancelled Contracts

ML14063	City of Hawthorne				\$32,000.00	\$0.00	Expansion of Existng CNG Infrastructure	\$32,000.00	No
ML14068	City of South Pasadena	9/12/2014	10/11/2015	1/11/2020	\$10,183.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,183.00	No
ML14069	City of Beaumont	3/3/2017	3/2/2025		\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14043	City of Anaheim				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS14078	American Honda Motor Co., Inc.	9/4/2015	8/3/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14085	Prologis, L.P.				\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14086	San Gabriel Valley Towing I				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14091	Serv-Wel Disposal				\$100,000.00	\$0.00	New Limited-Access CNG Infrastructure	\$100,000.00	No

**Total: 11**

#### Closed Contracts

ML14010	City of Cathedral City	8/13/2014	10/12/2015		\$25,000.00	\$25,000.00	Street Sweeping Operations	\$0.00	Yes
ML14011	City of Palm Springs	6/13/2014	1/12/2016		\$79,000.00	\$78,627.00	Bicycle Racks, Bicycle Outreach & Educatio	\$373.00	Yes
ML14014	City of Torrance	9/5/2014	12/4/2019		\$56,000.00	\$56,000.00	EV Charging Infrastructure	\$0.00	Yes
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML14023	County of Los Angeles Department o	10/2/2015	9/1/2017	3/1/2021	\$230,000.00	\$230,000.00	Maintenance Fac. Modifications-Westcheste	\$0.00	Yes
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$71,056.78	Bicycle Trail Improvements	\$19,443.22	Yes
ML14031	Riverside County Waste Manageme	6/13/2014	12/12/2020		\$90,000.00	\$90,000.00	Purchase 3 H.D. CNG Vehicles	\$0.00	Yes



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14034	City of Lake Elsinore	9/5/2014	5/4/2021		\$56,700.00	\$56,700.00	EV Charging Stations	\$0.00	Yes
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$101,976.09	One HD Nat Gas Vehicle, EV Charging, Bicy	\$3,023.91	Yes
ML14051	City of Brea	9/5/2014	1/4/2017	7/4/2018	\$450,000.00	\$450,000.00	Installation of Bicycle Trail	\$0.00	Yes
ML14054	City of Torrance	11/14/2014	4/13/2017	7/13/2017	\$350,000.00	\$319,908.80	Upgrade Maintenance Facility	\$30,091.20	Yes
ML14055	City of Highland	10/10/2014	3/9/2018	3/9/2019	\$500,000.00	\$489,385.24	Bicycle Lanes and Outreach	\$10,614.76	Yes
ML14056	City of Redlands	9/5/2014	5/4/2016	5/4/2018	\$125,000.00	\$125,000.00	Bicycle Lanes	\$0.00	Yes
ML14064	City of Claremont	7/11/2014	7/10/2020	1/10/2021	\$60,000.00	\$60,000.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML14065	City of Orange	9/5/2014	8/4/2015		\$10,000.00	\$10,000.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14070	City of Rancho Cucamonga	9/3/2016	12/2/2018		\$365,245.00	\$326,922.25	Bicycle Trail Improvements	\$38,322.75	Yes
ML14071	City of Manhattan Beach	1/9/2015	11/8/2018		\$22,485.00	\$22,485.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14094	City of Yucaipa	6/9/2017	6/8/2018		\$84,795.00	\$84,795.00	Installation of Bicycle Lanes	\$0.00	Yes
ML14095	City of South Pasadena	1/10/2019	7/9/2019		\$142,096.00	\$134,182.09	Bicycle Trail Improvements	\$7,913.91	Yes
ML14096	County of Los Angeles Dept of Pub	5/3/2019	12/2/2019	3/2/2020	\$74,186.00	\$74,186.00	San Gabriel BikeTrail Underpass Improveme	\$0.00	Yes
MS14001	Los Angeles County MTA	3/6/2015	4/30/2015		\$1,216,637.00	\$1,199,512.68	Clean Fuel Transit Service to Dodger Stadiu	\$17,124.32	Yes
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	Yes
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$184,523.00	Implement Metrolink Service to Angel Stadiu	\$9,712.00	Yes
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	Yes
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$511,520.00	Provide Expanded Shuttle Service to Hollyw	\$3,680.00	Yes
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$189,622.94	Implement Special Metrolink Service to Ang	\$18,897.06	Yes
MS14008	Orange County Transportation Autho	8/13/2014	5/31/2015		\$601,187.00	\$601,187.00	Implement Clean Fuel Bus Service to Orang	\$0.00	Yes
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014	3/31/2015	\$388,000.00	\$388,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS14037	Penske Truck Leasing Co., L.P.	4/7/2017	6/6/2020		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Carson	\$0.00	Yes
MS14039	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Irvine	\$0.00	Yes
MS14040	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$0.00	Yes
MS14044	TIMCO CNG Fund I, LLC	5/2/2014	11/1/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Santa A	\$0.00	Yes
MS14045	TIMCO CNG Fund I, LLC	6/6/2014	12/5/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Inglewoo	\$0.00	Yes
MS14047	Southern California Regional Rail Aut	3/7/2014	9/30/2014		\$49,203.00	\$32,067.04	Special Metrolink Service to Autoclub Speed	\$17,135.96	Yes
MS14048	BusWest	3/14/2014	12/31/2014	5/31/2015	\$940,850.00	\$847,850.00	Alternative Fuel School Bus Incentive Progra	\$93,000.00	Yes
MS14052	Arcadia Unified School District	6/13/2014	10/12/2020		\$78,000.00	\$78,000.00	Expansion of an Existing CNG Fueling Statio	\$0.00	Yes
MS14058	Orange County Transportation Autho	11/7/2014	4/6/2016	4/6/2017	\$1,250,000.00	\$1,250,000.00	Implement Various Signal Synchronization P	\$0.00	Yes
MS14073	Anaheim Transportation Network	1/9/2015	4/30/2017		\$221,312.00	\$221,312.00	Anaheim Resort Circulator Service	\$0.00	Yes
MS14074	Midway City Sanitary District	1/9/2015	3/8/2021		\$250,000.00	\$250,000.00	Limited-Access CNG Station & Facility Modif	\$0.00	Yes
MS14077	County Sanitation Districts of L.A. Co	3/6/2015	5/5/2021		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ang	\$44,267.12	Yes
MS14088	Southern California Regional Rail Aut	5/7/2015	9/30/2015		\$79,660.00	\$66,351.44	Special Metrolink Service to Autoclub Speed	\$13,308.56	Yes
MS14089	Top Shelf Consulting, LLC	1/18/2017	8/4/2016	3/31/2017	\$200,000.00	\$200,000.00	Enhanced Fleet Modernization Program	\$0.00	Yes
MS14090	City of Monterey Park	5/7/2015	5/6/2021		\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>Total: 44</b>									
<b>Closed/Incomplete Contracts</b>									
ML14020	County of Los Angeles Dept of Pub	8/13/2014	1/12/2018		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improve	\$150,000.00	No
ML14050	City of Yucaipa	7/11/2014	9/10/2015	7/1/2016	\$84,795.00	\$0.00	Installation of Bicycle Lanes	\$84,795.00	No
ML14060	County of Los Angeles Internal Servi	10/6/2017	1/5/2019		\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
ML14066	City of South Pasadena	9/12/2014	7/11/2016	2/11/2018	\$142,096.00	\$0.00	Bicycle Trail Improvements	\$142,096.00	No
ML14093	County of Los Angeles Dept of Pub	8/14/2015	1/13/2019		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improve	\$150,000.00	No
MS14092	West Covina Unified School District	9/3/2016	12/2/2022		\$124,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$124,000.00	No
<b>Total: 6</b>									
<b>Open/Complete Contracts</b>									
ML14013	City of Los Angeles, Bureau of Sanit	10/7/2016	2/6/2025		\$400,000.00	\$400,000.00	Purchase 14 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14016	City of Anaheim	4/3/2015	9/2/2021		\$380,000.00	\$380,000.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$0.00	Yes
ML14018	City of Los Angeles Dept of General	3/6/2015	9/5/2021	2/5/2026	\$810,000.00	\$810,000.00	Purchase 27 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14019	City of Corona Public Works	12/5/2014	6/4/2020	3/6/2023	\$111,518.00	\$111,517.18	EV Charging, Bicycle Racks, Bicycle Locker	\$0.82	Yes
ML14022	County of Los Angeles Department o	10/2/2015	5/1/2022		\$270,000.00	\$270,000.00	Purchase 9 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14025	County of Los Angeles Dept of Publi	10/2/2015	7/1/2018	7/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Malibu	\$0.00	Yes
ML14026	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	5/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Castaic	\$0.00	Yes
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
ML14032	City of Rancho Cucamonga	1/9/2015	1/8/2022		\$113,990.00	\$104,350.63	Expansion of Existing CNG Infrs., Bicycle L	\$9,639.37	Yes
ML14033	City of Irvine	7/11/2014	2/10/2021	2/10/2022	\$60,000.00	\$60,000.00	Purchase 2 H.D. CNG Vehicles	\$0.00	Yes
ML14061	City of La Habra	3/11/2016	3/10/2022		\$41,600.00	\$41,270.49	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$329.51	Yes
ML14062	City of San Fernando	3/27/2015	5/26/2021	10/31/2023	\$325,679.00	\$325,679.00	Expand Existing CNG Fueling Station	\$0.00	Yes
ML14067	City of Duarte	12/4/2015	1/3/2023	6/3/2024	\$60,000.00	\$60,000.00	Purchase Two Electric Buses	\$0.00	Yes
MS14041	USA Waste of California, Inc.	9/4/2015	10/3/2021		\$175,000.00	\$175,000.00	Limited-Access CNG Station, Vehicle Maint.	\$0.00	Yes
MS14042	Grand Central Recycling & Transfer	6/6/2014	9/5/2021		\$150,000.00	\$150,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS14046	Ontario CNG Station Inc.	5/15/2014	5/14/2020	11/14/2021	\$150,000.00	\$150,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14053	Upland Unified School District	1/9/2015	7/8/2021		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$300,000.00	\$293,442.00	Expansion of Existing CNG Infrastructure/Ma	\$6,558.00	Yes
MS14076	Rialto Unified School District	6/17/2015	2/16/2022	6/25/2023	\$225,000.00	\$225,000.00	New Public Access CNG Station	\$0.00	Yes
MS14080	CR&R Incorporated	6/1/2015	8/31/2021	8/31/2022	\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	Yes
MS14081	CR&R Incorporated	6/1/2015	5/30/2021		\$175,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure/Ma	\$75,000.00	Yes
MS14082	Grand Central Recycling & Transfer	12/4/2015	3/3/2023	3/3/2024	\$150,000.00	\$150,000.00	Construct New Public Access CNG Station	\$0.00	Yes
MS14084	US Air Conditioning Distributors	5/7/2015	9/6/2021		\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
<b>Total: 23</b>									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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## FY 2014-2016 Contracts

### Open Contracts

ML16006	City of Cathedral City	4/27/2016	4/26/2022		\$25,000.00	\$0.00	Bicycle Outreach	\$25,000.00	No
ML16007	City of Culver City Transportation De	10/6/2015	4/5/2023		\$246,000.00	\$246,000.00	Purchase 7 H.D. Nat. Gas Vehicles, EV Cha	\$0.00	No
ML16008	City of Pomona	9/20/2016	11/19/2022	5/19/2025	\$60,000.00	\$0.00	Purchase 3 Medium-Duty and 1 Heavy-Duty	\$60,000.00	No
ML16010	City of Fullerton	10/7/2016	4/6/2023	4/6/2024	\$78,222.00	\$27,896.71	Install EV Charging Stations	\$50,325.29	No
ML16017	City of Long Beach	2/5/2016	8/4/2023	1/4/2026	\$1,445,400.00	\$1,375,400.00	Purchase 50 Medium-Duty, 17 H.D. Nat. Ga	\$70,000.00	No
ML16018	City of Hermosa Beach	10/7/2016	1/6/2023		\$29,520.00	\$23,768.44	Purchase 2 M.D. Nat. Gas Vehicles, Bicycle	\$5,751.56	No
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024	9/4/2027	\$360,000.00	\$0.00	Purchase 12 H.D. Nat. Gas Vehicles	\$360,000.00	No
ML16025	City of South Pasadena	6/22/2016	4/21/2023	10/21/2024	\$160,000.00	\$0.00	Purchase H.D. Nat. Gas Vehicle, Expand Exi	\$160,000.00	No
ML16038	City of Palm Springs	4/1/2016	7/31/2022	9/30/2022	\$170,000.00	\$0.00	Install Bicycle Lanes & Purchase 2 Heavy-D	\$170,000.00	No
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022	9/5/2023	\$32,000.00	\$0.00	Install EV Charging Infrastructure	\$32,000.00	No
ML16040	City of Eastvale	1/6/2017	7/5/2022	7/5/2026	\$110,000.00	\$0.00	Install EV Charging Infrastructure	\$110,000.00	No
ML16041	City of Moreno Valley	9/3/2016	1/2/2021	4/2/2024	\$20,000.00	\$0.00	Install EV Charging Infrastructure	\$20,000.00	No
ML16046	City of El Monte	4/1/2016	5/31/2021	5/31/2023	\$20,160.00	\$14,637.50	Install EV Charging Infrastructure	\$5,522.50	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2022	\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$500,000.00	No
ML16048	City of Placentia	3/26/2016	5/25/2021	6/25/2022	\$90,000.00	\$18,655.00	Install a Bicycle Locker and EV Charging Infr	\$71,345.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019	1/26/2022	\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
ML16070	City of Beverly Hills	2/21/2017	6/20/2023		\$90,000.00	\$90,000.00	Purchase 3 H.D. Nat. Gas Vehicles	\$0.00	No
ML16071	City of Highland	5/5/2017	1/4/2020	1/4/2022	\$264,500.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$264,500.00	No
ML16075	City of San Fernando	10/27/2016	2/26/2019	2/26/2022	\$354,000.00	\$0.00	Install a Class 1 Bikeway	\$354,000.00	No
ML16077	City of Rialto	5/3/2018	10/2/2021	2/2/2026	\$463,216.00	\$158,105.51	Pedestrian Access Improvements, Bicycle L	\$305,110.49	No
ML16083	City of El Monte	4/1/2016	4/30/2021	4/30/2023	\$57,210.00	\$25,375.60	Install EV Charging Infrastructure	\$31,834.40	No
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$573,686.88	Freeway Service Patrols	\$226,938.12	No
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022		\$1,909,241.00	\$0.00	MetroLink First Mile/Last Mile Mobility Strate	\$1,909,241.00	No
MS16096	San Bernardino County Transportatio	10/27/2016	12/26/2019	6/30/2021	\$450,000.00	\$0.00	EV Charging Infrastructure	\$450,000.00	No
MS16110	City of Riverside	10/6/2017	2/5/2025	2/5/2026	\$300,000.00	\$71,250.00	Expansion of Existing CNG Station and Main	\$228,750.00	No
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$870,000.00	\$427,500.00	Repower 58 Transit Buses	\$442,500.00	No
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$299,250.00	Repower 63 Existing Buses	\$645,750.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2026	\$600,000.00	\$128,250.00	Repower 39 and Purchase 1 New Transit Bu	\$471,750.00	No
MS16123	Orange County Transportation Autho	12/7/2018	11/6/2023		\$91,760.00	\$0.00	Install La Habra Union Pacific Bikeway	\$91,760.00	No

Total: 32

### Pending Execution Contracts

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS16127	Los Angeles County MTA				\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No

**Total: 1**

**Declined/Cancelled Contracts**

ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
ML16065	City of Temple City				\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16067	City of South El Monte				\$73,329.00	\$0.00	Implement an "Open Streets" Event	\$73,329.00	No
ML16074	City of La Verne	7/22/2016	1/21/2023		\$365,000.00	\$0.00	Install CNG Fueling Station	\$365,000.00	No
MS16043	LBA Realty Company LLC				\$100,000.00	\$0.00	Install Limited-Access CNG Station	\$100,000.00	No
MS16080	Riverside County Transportation Co				\$1,200,000.00	\$0.00	Passenger Rail Service for Coachella and St	\$1,200,000.00	No
MS16098	Long Beach Transit				\$198,957.00	\$0.00	Provide Special Bus Service to Stub Hub Ce	\$198,957.00	No
MS16104	City of Perris				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16106	City of Lawndale	3/1/2019	11/30/2025		\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16107	Athens Services				\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No
MS16108	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public-Access CNG Station in Bell	\$150,000.00	No
MS16109	Sanitation Districts of Los Angeles C				\$275,000.00	\$0.00	Expansion of an Existing L/CNG Station	\$275,000.00	No
MS16111	VNG 925 Lakeview Avenue, LLC				\$150,000.00	\$0.00	Construct Public Access CNG Station in Pla	\$150,000.00	No

**Total: 13**

**Closed Contracts**

ML16009	City of Fountain Valley	10/6/2015	2/5/2018	5/5/2019	\$46,100.00	\$46,100.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16015	City of Yorba Linda	3/4/2016	11/3/2017		\$85,000.00	\$85,000.00	Install Bicycle Lanes	\$0.00	Yes
ML16020	City of Pomona	4/1/2016	2/1/2018	8/1/2018	\$440,000.00	\$440,000.00	Install Road Surface Bicycle Detection Syste	\$0.00	Yes
ML16026	City of Downey	5/6/2016	9/5/2017		\$40,000.00	\$40,000.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16028	City of Azusa	9/9/2016	4/8/2018		\$25,000.00	\$25,000.00	Enhance Existing Class 1 Bikeway	\$0.00	Yes
ML16031	City of Cathedral City	12/19/2015	2/18/2017		\$25,000.00	\$25,000.00	Street Sweeping in Coachella Valley	\$0.00	Yes
ML16032	City of Azusa	9/9/2016	4/8/2019	4/8/2021	\$474,925.00	\$474,925.00	Implement a "Complete Streets" Pedestrian	\$0.00	No
ML16033	Coachella Valley Association of Gov	4/27/2016	4/26/2018		\$250,000.00	\$250,000.00	Street Sweeping Operations in Coachella Va	\$0.00	Yes
ML16034	City of Riverside	3/11/2016	10/10/2018	7/10/2020	\$500,000.00	\$500,000.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16036	City of Brea	3/4/2016	12/3/2018		\$500,000.00	\$500,000.00	Install a Class 1 Bikeway	\$0.00	Yes
ML16042	City of San Dimas	4/1/2016	12/31/2019	12/31/2021	\$55,000.00	\$55,000.00	Install EV Charging Infrastructure	\$0.00	No
ML16045	City of Anaheim	6/22/2016	8/21/2019		\$275,000.00	\$255,595.08	Maintenance Facility Modifications	\$19,404.92	Yes
ML16049	City of Buena Park	4/1/2016	11/30/2018		\$429,262.00	\$429,262.00	Installation of a Class 1 Bikeway	\$0.00	Yes
ML16051	City of South Pasadena	2/12/2016	1/11/2017	12/11/2017	\$320,000.00	\$258,691.25	Implement "Open Streets" Event with Variou	\$61,308.75	Yes
ML16052	City of Rancho Cucamonga	9/3/2016	11/2/2019	3/31/2021	\$315,576.00	\$305,576.00	Install Two Class 1 Bikeways	\$10,000.00	No
ML16053	City of Claremont	3/11/2016	7/10/2018	12/10/2020	\$498,750.00	\$498,750.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16054	City of Yucaipa	3/26/2016	7/26/2018	10/25/2019	\$120,000.00	\$120,000.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16060	City of Cudahy	2/5/2016	10/4/2017		\$73,910.00	\$62,480.00	Implement an "Open Streets" Event	\$11,430.00	Yes
ML16061	City of Murrieta	4/27/2016	1/26/2020		\$11,642.00	\$9,398.36	Installation of EV Charging Infrastructure	\$2,243.64	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16062	City of Colton	6/3/2016	7/2/2020		\$21,003.82	\$21,003.82	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16064	County of Orange, OC Parks	2/21/2017	10/20/2018		\$204,073.00	\$157,632.73	Implement "Open Streets" Events with Vario	\$46,440.27	Yes
ML16066	City of Long Beach Public Works	1/13/2017	9/12/2018		\$75,050.00	\$63,763.62	Implement an "Open Streets" Event	\$11,286.38	Yes
ML16068	Riverside County Dept of Public Heal	12/2/2016	8/1/2018		\$171,648.00	\$171,648.00	Implement "Open Streets" Events with Vario	\$0.00	Yes
ML16073	City of Long Beach Public Works	1/13/2017	7/12/2017		\$50,000.00	\$50,000.00	Implement an "Open Streets" Event	\$0.00	Yes
ML16078	City of Moreno Valley	5/6/2016	11/5/2017	5/5/2018	\$32,800.00	\$31,604.72	Install Bicycle Infrastructure & Implement Bi	\$1,195.28	Yes
ML16079	City of Yucaipa	4/1/2016	3/31/2020		\$5,000.00	\$5,000.00	Purchase Electric Lawnmower	\$0.00	Yes
ML16122	City of Wildomar	6/8/2018	6/7/2019		\$500,000.00	\$500,000.00	Install Bicycle Lanes	\$0.00	Yes
ML16126	City of Palm Springs	7/31/2019	7/30/2020	10/30/2020	\$22,000.00	\$19,279.82	Install Bicycle Racks, and Implement Bicycle	\$2,720.18	Yes
MS16001	Los Angeles County MTA	4/1/2016	4/30/2017		\$1,350,000.00	\$1,332,039.84	Clean Fuel Transit Service to Dodger Stadiu	\$17,960.16	Yes
MS16002	Orange County Transportation Autho	10/6/2015	5/31/2016		\$722,266.00	\$703,860.99	Clean Fuel Transit Service to Orange Count	\$18,405.01	Yes
MS16003	Special Olympics World Games Los	10/9/2015	12/30/2015		\$380,304.00	\$380,304.00	Low-Emission Transportation Service for Sp	\$0.00	Yes
MS16004	Mineral LLC	9/4/2015	7/3/2017	1/3/2018	\$27,690.00	\$9,300.00	Design, Develop, Host and Maintain MSRC	\$18,390.00	Yes
MS16029	Orange County Transportation Autho	1/12/2018	6/11/2020		\$836,413.00	\$567,501.06	TCM Partnership Program - OC Bikeways	\$268,911.94	Yes
MS16030	Better World Group Advisors	12/19/2015	12/31/2017	12/31/2019	\$271,619.00	\$245,355.43	Programmic Outreach Services to the MSR	\$26,263.57	Yes
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Uni	\$168,670.00	Yes
MS16085	Southern California Regional Rail Aut	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	Yes
MS16089	Orange County Transportation Autho	7/8/2016	4/30/2017		\$128,500.00	\$128,500.00	Implement Special Bus Service to Angel Sta	\$0.00	Yes
MS16092	San Bernardino County Transportatio	2/3/2017	1/2/2019		\$242,937.00	\$242,016.53	Implement a Series of "Open Streets" Event	\$920.47	Yes
MS16093	Orange County Transportation Autho	9/3/2016	3/2/2018	9/2/2018	\$1,553,657.00	\$1,499,575.85	Implement a Mobile Ticketing System	\$54,081.15	Yes
MS16095	Orange County Transportation Autho	7/22/2016	5/31/2017		\$694,645.00	\$672,864.35	Implement Special Bus Service to Orange C	\$21,780.65	Yes
MS16099	Foothill Transit	3/3/2017	3/31/2017		\$50,000.00	\$50,000.00	Provide Special Bus Service to the Los Ange	\$0.00	Yes
MS16100	Southern California Regional Rail Aut	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes
MS16124	Riverside County Transportation Co	12/14/2018	12/14/2019	5/14/2020	\$253,239.00	\$246,856.41	Extended Freeway Service Patrols	\$6,382.59	Yes
MS16125	San Bernardino County Transportatio	9/20/2019	11/19/2020		\$1,000,000.00	\$1,000,000.00	Traffic Signal Synchronization Projects	\$0.00	Yes

**Total: 44**

**Closed/Incomplete Contracts**

ML16005	City of Palm Springs	3/4/2016	10/3/2017		\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycle	\$40,000.00	No
ML16035	City of Wildomar	4/1/2016	11/1/2017		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
MS16082	Riverside County Transportation Co	9/3/2016	8/2/2018		\$590,759.00	\$337,519.71	Extended Freeway Service Patrols	\$253,239.29	No
MS16090	Los Angeles County MTA	10/27/2016	4/26/2020	10/26/2020	\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No
MS16091	San Bernardino County Transportatio	10/7/2016	11/6/2018		\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No

**Total: 5**

**Open/Complete Contracts**

ML16011	City of Claremont	10/6/2015	6/5/2022		\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16012	City of Carson	1/15/2016	10/14/2022		\$60,000.00	\$60,000.00	Purchase 2 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16013	City of Monterey Park	12/4/2015	7/3/2022	7/3/2024	\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16016	City of Los Angeles Dept of General	2/5/2016	12/4/2022		\$630,000.00	\$630,000.00	Purchase 21 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16019	City of Los Angeles, Dept of General	1/25/2017	3/24/2023		\$102,955.00	\$102,955.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$49,399.00	Install EV Charging Infrastructure	\$1.00	Yes
ML16023	City of Banning	12/11/2015	12/10/2021		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16024	City of Azusa	4/27/2016	2/26/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16027	City of Whittier	1/8/2016	11/7/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16037	City of Rancho Cucamonga	2/5/2016	11/4/2022		\$30,000.00	\$30,000.00	Purchase One Heavy-Duty Natural Gas Vehi	\$0.00	Yes
ML16050	City of Westminster	5/6/2016	7/5/2020	5/5/2022	\$115,000.00	\$93,925.19	Installation of EV Charging Infrastructure	\$21,074.81	Yes
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Veh	\$0.00	Yes
ML16056	City of Ontario	3/23/2016	9/22/2020	9/22/2021	\$106,565.00	\$106,565.00	Expansion of an Existing CNG Station	\$0.00	Yes
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$371,898.00	\$371,898.00	Purchase 11 H.D. Nat. Gas Vehicles and Ins	\$0.00	Yes
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML16063	City of Glendora	3/4/2016	4/3/2022		\$30,000.00	\$30,000.00	Purchase One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16069	City of West Covina	3/10/2017	6/9/2021		\$54,199.00	\$54,199.00	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16072	City of Palm Desert	3/4/2016	1/4/2020	1/3/2022	\$56,000.00	\$56,000.00	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16076	City of San Fernando	2/21/2017	8/20/2021		\$43,993.88	\$43,993.88	Install EV Charging Infrastructure	\$0.00	Yes
MS16081	EDCO Disposal Corporation	3/4/2016	10/3/2022		\$150,000.00	\$150,000.00	Expansion of Existing Public Access CNG St	\$0.00	Yes
MS16087	Burrtec Waste & Recycling Services,	7/8/2016	3/7/2023		\$100,000.00	\$100,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS16088	Transit Systems Unlimited, Inc.	5/12/2017	1/11/2023		\$17,000.00	\$17,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS16097	Walnut Valley Unified School District	10/7/2016	11/6/2022		\$250,000.00	\$250,000.00	Expand CNG Station & Modify Maintenance	\$0.00	Yes
MS16102	Nasa Services, Inc.	2/21/2017	4/20/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	Yes
MS16103	Arrow Services, Inc.	2/3/2017	4/2/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	Yes
MS16105	Huntington Beach Union High School	3/3/2017	7/2/2024		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS16112	Orange County Transportation Autho	4/14/2017	3/13/2024		\$1,470,000.00	\$1,470,000.00	Repower Up to 98 Transit Buses	\$0.00	Yes
MS16113	Los Angeles County MTA	5/12/2017	4/11/2024		\$1,875,000.00	\$1,875,000.00	Repower Up to 125 Transit Buses	\$0.00	Yes
MS16114	City of Norwalk	3/3/2017	6/2/2024		\$45,000.00	\$32,170.00	Purchase 3 Transit Buses	\$12,830.00	Yes
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Purchase One Transit Bus	\$207.00	Yes

**Total: 30**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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## FY 2016-2018 Contracts

### Open Contracts

ML18020	City of Colton	5/3/2018	4/2/2024		\$67,881.00	\$35,667.00	Purchase One Medium-Duty and One Heavy	\$32,214.00	No
ML18030	City of Grand Terrace	6/28/2018	3/27/2022	3/27/2025	\$45,000.00	\$0.00	Install EVSE	\$45,000.00	No
ML18031	City of Diamond Bar	9/7/2018	11/6/2025		\$73,930.00	\$0.00	Install EVSE, Purchase up to 2-LD Vehicles	\$73,930.00	No
ML18034	City of Calabasas	6/8/2018	3/7/2022	3/7/2023	\$50,000.00	\$0.00	Install EVSE	\$50,000.00	No
ML18036	City of Indian Wells	8/8/2018	5/7/2023		\$50,000.00	\$0.00	Install EV Charging Stations	\$50,000.00	No
ML18038	City of Anaheim	10/5/2018	5/4/2025	5/4/2026	\$221,500.00	\$147,883.27	Purchase 5 Light-Duty ZEVs and Install EVS	\$73,616.73	No
ML18039	City of Redlands	6/28/2018	7/27/2024	1/27/2025	\$87,000.00	\$63,190.33	Purchase 1 Medium/Heavy-Duty ZEV and In	\$23,809.67	No
ML18041	City of West Hollywood	8/8/2018	12/7/2023		\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18043	City of Yorba Linda	9/7/2018	12/6/2023		\$87,990.00	\$0.00	Install EV Charging Infrastructure	\$87,990.00	No
ML18044	City of Malibu	8/8/2018	10/7/2022	10/7/2023	\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18046	City of Santa Ana	11/9/2018	7/8/2026		\$385,000.00	\$0.00	Purchase 6 Light-Duty ZEVs, 9 Heavy-Duty	\$385,000.00	No
ML18047	City of Whittier	8/8/2018	4/7/2026		\$113,910.00	\$45,564.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$68,346.00	No
ML18050	City of Irvine	9/7/2018	8/6/2028		\$330,490.00	\$0.00	Purchase 1 Medium/Heavy-Duty ZEV and In	\$330,490.00	No
ML18051	City of Rancho Cucamonga	3/1/2019	10/31/2025		\$227,040.00	\$0.00	Purchase 9 Light-Duty ZEVs, 2 Med-Duty ZE	\$227,040.00	No
ML18053	City of Paramount	9/7/2018	3/6/2023		\$64,675.00	\$0.00	Install EV Charging Infrastructure	\$64,675.00	No
ML18055	City of Long Beach Fleet Services B	11/29/2018	11/28/2026		\$622,220.00	\$140,291.13	Install EV Charging Stations	\$481,928.87	No
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$103,868.00	Install EV Charging Infrastructure	\$0.00	No
ML18057	City of Carson	10/5/2018	7/4/2023		\$106,250.00	\$50,000.00	Purchase 5 Zero-Emission Vehicles and Infr	\$56,250.00	No
ML18058	City of Perris	10/12/2018	11/11/2024		\$94,624.00	\$0.00	Purchase 1 Med. H.D. ZEV and EV Chargin	\$94,624.00	No
ML18059	City of Glendale Water & Power	2/1/2019	7/31/2026		\$260,500.00	\$0.00	Install Electric Vehicle Charging Infrastructur	\$260,500.00	No
ML18060	County of Los Angeles Internal Servi	10/5/2018	8/4/2026		\$1,367,610.00	\$599,306.31	Purchase 29 Light-Duty Zero Emission Vehi	\$768,303.69	No
ML18063	City of Riverside	6/7/2019	1/6/2027		\$383,610.00	\$0.00	Expand Existing CNG Stations	\$383,610.00	No
ML18064	City of Eastvale	11/29/2018	4/28/2026	10/28/2028	\$80,400.00	\$28,457.43	Purchase 2 Light-Duty, One Medium-Duty. Z	\$51,942.57	No
ML18067	City of Pico Rivera	9/7/2018	11/6/2022		\$83,500.00	\$0.00	Instal EVSE	\$83,500.00	No
ML18068	City of Mission Viejo	7/31/2019	6/30/2027		\$125,690.00	\$10,000.00	Purchase 2 Light-Duty ZEVs, Install EVSE &	\$115,690.00	No
ML18069	City of Torrance	3/1/2019	7/31/2027		\$187,400.00	\$100,000.00	Purchase 4 Heavy-Duty Near-Zero Emission	\$87,400.00	No
ML18078	County of Riverside	10/5/2018	10/4/2028		\$425,000.00	\$250,000.00	Purchase 17 Heavy-Duty Vehicles	\$175,000.00	No
ML18080	City of Santa Monica	1/10/2019	12/9/2023	7/9/2025	\$121,500.00	\$14,748.62	Install EV Charging Stations	\$106,751.38	No
ML18082	City of Los Angeles Bureau of Sanita	8/30/2019	8/29/2028		\$900,000.00	\$0.00	Purchase Medium-Duty Vehicles and EV Ch	\$900,000.00	No
ML18083	City of San Fernando	11/2/2018	11/1/2022		\$20,000.00	\$0.00	Implement Traffic Signal Synchronization	\$20,000.00	No
ML18084	City of South El Monte	10/18/2019	9/17/2023	9/17/2024	\$30,000.00	\$0.00	EV Charging Infrastructure	\$30,000.00	No
ML18087	City of Murrieta	3/29/2019	3/28/2025		\$143,520.00	\$143,520.00	Install Four EV Charging Stations	\$0.00	No
ML18088	City of Big Bear Lake	11/29/2018	8/28/2020	8/28/2021	\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18089	City of Glendora	7/19/2019	4/18/2025	4/18/2026	\$50,760.00	\$0.00	Purchase a medium-duty ZEV	\$50,760.00	No



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18090	City of Santa Clarita	5/9/2019	2/8/2023		\$122,000.00	\$0.00	Install Nine EV Charging Stations	\$122,000.00	No
ML18091	City of Temecula	1/19/2019	7/18/2023		\$141,000.00	\$0.00	Install Sixteen EV Charging Stations	\$141,000.00	No
ML18092	City of South Pasadena	2/1/2019	1/31/2025		\$50,000.00	\$20,000.00	Procure Two Light-Duty ZEVs and Install EV	\$30,000.00	No
ML18093	City of Monterey Park	2/1/2019	2/28/2026		\$25,000.00	\$0.00	Purchase Heavy-Duty Near-ZEV	\$25,000.00	No
ML18094	City of Laguna Woods	7/12/2019	12/11/2024		\$50,000.00	\$0.00	Install Two EV Charging Stations	\$50,000.00	No
ML18096	City of Highland	12/13/2019	8/12/2024		\$70,210.00	\$9,918.84	Purchase Light-Duty ZEV and Install Three	\$60,291.16	No
ML18098	City of Redondo Beach	2/1/2019	3/31/2023	3/31/2025	\$89,400.00	\$0.00	Install Six EV Charging Stations	\$89,400.00	No
ML18099	City of Laguna Hills	3/1/2019	5/31/2023		\$32,250.00	\$0.00	Install Six EV Charging Stations	\$32,250.00	No
ML18100	City of Brea	10/29/2020	12/28/2024		\$56,500.00	\$0.00	Install Thirteen EV Charging Stations	\$56,500.00	No
ML18101	City of Burbank	2/1/2019	4/30/2024		\$137,310.00	\$0.00	Install Twenty EV Charging Stations	\$137,310.00	No
ML18128	City of Aliso Viejo	8/30/2019	11/29/2023		\$65,460.00	\$0.00	Purchase Two Light-Duty ZEVs and Install S	\$65,460.00	No
ML18129	City of Yucaipa	12/14/2018	3/13/2023		\$63,097.00	\$0.00	Install Six EV Charging Stations	\$63,097.00	No
ML18130	City of Lake Forest	3/1/2019	9/30/2022		\$106,480.00	\$106,480.00	Install Twenty-One EVSEs	\$0.00	No
ML18132	City of Montclair	4/5/2019	9/4/2023		\$40,000.00	\$0.00	Install Eight EVSEs	\$40,000.00	No
ML18134	City of Los Angeles Dept of General	5/3/2019	5/2/2028		\$290,000.00	\$0.00	Purchase Five Medium-Duty ZEVs	\$290,000.00	No
ML18135	City of Azusa	12/6/2019	12/5/2029		\$55,000.00	\$0.00	Purchase Three Light-Duty ZEVs and One H	\$55,000.00	No
ML18136	City of Orange	4/12/2019	8/11/2024		\$42,500.00	\$40,000.00	Purchase Four Light-Duty ZEVs and Install	\$2,500.00	No
ML18137	City of Wildomar	3/1/2019	5/31/2021	12/1/2022	\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18138	City of La Canada Flintridge	2/8/2019	5/7/2023		\$50,000.00	\$32,588.07	Install Four EVSEs and Install Bicycle Racks	\$17,411.93	No
ML18139	City of Calimesa	8/30/2019	7/29/2020	11/29/2021	\$50,000.00	\$0.00	Install Bicycle Lane	\$50,000.00	No
ML18141	City of Rolling Hills Estates	2/14/2020	1/13/2024		\$40,000.00	\$0.00	Purchase One Light-Duty ZEV and Install Tw	\$40,000.00	No
ML18142	City of La Quinta	4/24/2019	2/23/2023	8/23/2023	\$51,780.00	\$0.00	Install Two EV Charging Stations	\$51,780.00	No
ML18144	City of Fontana Public Works	10/4/2019	12/3/2023		\$269,090.00	\$0.00	Install Twelve EVSEs	\$269,090.00	No
ML18145	City of Los Angeles Dept of Transpor	1/10/2020	4/9/2027		\$1,400,000.00	\$0.00	Provide One Hundred Rebates to Purchaser	\$1,400,000.00	No
ML18146	City of South Gate	3/1/2019	11/30/2023		\$127,400.00	\$50,000.00	Purchase Five Light-Duty ZEVs and Install T	\$77,400.00	No
ML18147	City of Palm Springs	1/10/2019	1/9/2024		\$60,000.00	\$0.00	Install Eighteen EV Charging Stations	\$60,000.00	No
ML18151	County of San Bernardino Departme	8/25/2020	10/24/2029		\$200,000.00	\$0.00	Purchase Eight Heavy-Duty Near Zero Emis	\$200,000.00	No
ML18152	County of San Bernardino Flood Con	8/11/2020	10/10/2029		\$108,990.00	\$0.00	Purchase Five Heavy-Duty Near Zero Emis	\$108,990.00	No
ML18156	City of Covina	2/1/2019	3/31/2023	12/31/2023	\$63,800.00	\$62,713.00	Purchase Four Light-Duty ZEVs and EV Cha	\$1,087.00	No
ML18157	City of Los Angeles Bureau of Street	6/21/2019	5/20/2027		\$85,000.00	\$0.00	Purchase One Medium-Duty ZEV	\$85,000.00	No
ML18159	City of Rialto	12/13/2019	5/12/2024		\$135,980.00	\$0.00	Purchase Nine Light-Duty ZEVs and EV Cha	\$135,980.00	No
ML18161	City of Indio	5/3/2019	10/2/2025		\$50,000.00	\$10,000.00	Purchase 1 Light-Duty Zero Emission, 1 Hea	\$40,000.00	No
ML18163	City of San Clemente	3/8/2019	12/7/2024	12/7/2025	\$85,000.00	\$70,533.75	Purchase Four Light-Duty ZEVs and EV Cha	\$14,466.25	No
ML18165	City of Baldwin Park	2/1/2019	1/30/2024		\$49,030.00	\$0.00	Expand CNG Station	\$49,030.00	No
ML18166	City of Placentia	2/18/2021	5/17/2027		\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emis	\$25,000.00	No
ML18167	City of Beverly Hills	3/29/2019	6/28/2025		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emis	\$50,000.00	No
ML18168	City of Maywood	3/29/2019	11/28/2022		\$7,059.00	\$0.00	Purchase EV Charging Infrastructure	\$7,059.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$111,980.00	Install EV Charging Infrastructure	\$0.00	No
ML18170	City of Laguna Niguel	1/10/2020	8/9/2028		\$85,100.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Cha	\$85,100.00	No
ML18171	City of El Monte	3/1/2019	4/30/2025		\$119,757.00	\$68,077.81	Purchase One Heavy-Duty ZEVs and EV Ch	\$51,679.19	No
ML18172	City of Huntington Park	3/1/2019	2/28/2025		\$65,450.00	\$0.00	Purchase One Heavy-Duty ZEV	\$65,450.00	No
ML18174	City of Bell	11/22/2019	7/21/2026		\$25,000.00	\$0.00	Purchase One Heavy-Duty ZEV	\$25,000.00	No
ML18177	City of San Bernardino	6/7/2019	12/6/2026		\$279,088.00	\$0.00	Purchase Medium- and Heavy-Duty Evs and	\$279,088.00	No
ML18178	City of La Puente	11/1/2019	11/30/2025	11/30/2026	\$25,000.00	\$25,000.00	Purchase One Heavy-Duty Near-Zero Emiss	\$0.00	No
MS18002	Southern California Association of G	6/9/2017	11/30/2018	12/30/2021	\$2,500,000.00	\$886,787.98	Regional Active Transportation Partnership	\$1,613,212.02	No
MS18003	Geographics	2/21/2017	2/20/2021	6/20/2021	\$72,453.00	\$64,452.96	Design, Host and Maintain MSRC Website	\$8,000.04	No
MS18015	Southern California Association of G	7/13/2018	2/28/2021	8/31/2021	\$2,000,000.00	\$0.00	Southern California Future Communities Par	\$2,000,000.00	No
MS18023	Riverside County Transportation Co	6/28/2018	6/27/2021		\$500,000.00	\$285,073.44	Weekend Freeway Service Patrols	\$214,926.56	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021		\$1,500,000.00	\$659,640.00	Vanpool Incentive Program	\$840,360.00	No
MS18027	City of Gardena	11/2/2018	9/1/2026		\$365,000.00	\$0.00	Install New Limited Access CNG, Modify Mai	\$365,000.00	No
MS18029	Irvine Ranch Water District	8/8/2018	10/7/2024		\$185,000.00	\$0.00	Install New Limited Access CNG Station & T	\$185,000.00	No
MS18065	San Bernardino County Transportatio	3/29/2019	8/28/2023		\$2,000,000.00	\$1,996,473.93	Implement Metrolink Line Fare Discount Pro	\$3,526.07	No
MS18066	El Dorado National	12/6/2019	2/5/2026		\$100,000.00	\$100,000.00	Install New Limited-Access CNG Station	\$0.00	No
MS18073	Los Angeles County MTA	1/10/2019	2/9/2026		\$2,000,000.00	\$2,000,000.00	Purchase 40 Zero-Emission Transit Buses	\$0.00	No
MS18104	Orange County Transportation Autho	2/21/2020	3/31/2021	3/31/2022	\$212,000.00	\$165,235.92	Implement College Pass Transit Fare Subsid	\$46,764.08	No
MS18106	R.F. Dickson Co., Inc.	7/19/2019	1/18/2026		\$265,000.00	\$250,000.00	Expansion of Existing Infrastructure/Mechani	\$15,000.00	No
MS18108	Capistrano Unified School District	2/1/2019	5/30/2025		\$116,000.00	\$0.00	Expansion of Existing Infrastructure & Train	\$116,000.00	No
MS18110	Mountain View Unified School Distric	2/1/2019	3/31/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18114	Los Angeles County Department of P	11/15/2019	11/14/2026		\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18115	City of Commerce	6/7/2019	12/6/2025		\$275,000.00	\$0.00	Expansion of Existing L/CNG Infrastructure	\$275,000.00	No
MS18116	Los Angeles County Department of P	11/15/2019	11/14/2026		\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18117	City of San Bernardino	6/7/2019	11/6/2025		\$240,000.00	\$240,000.00	Expansion of Existing CNG Infrastructure/Me	\$0.00	No
MS18118	City of Beverly Hills	3/29/2019	7/28/2025		\$85,272.00	\$0.00	Expansion of Existing CNG Infrastructure	\$85,272.00	No
MS18122	Universal Waste Systems, Inc.	2/1/2019	3/31/2025	3/31/2026	\$200,000.00	\$0.00	Install New Limited Access CNG Infrastructur	\$200,000.00	No
MS18124	County Sanitation Districts of Los An	7/31/2019	2/28/2027		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18125	U.S. Venture	5/9/2019	8/8/2025		\$200,000.00	\$180,000.00	Install New Limited-Access CNG Infrastructu	\$20,000.00	No
MS18175	Regents of the University of Californi	6/7/2019	8/6/2025	8/6/2026	\$1,000,000.00	\$0.00	Expansion of Existing Hydrogen Station	\$1,000,000.00	No

**Total: 101**

#### Pending Execution Contracts

ML18148	City of San Dimas				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
ML18179	City of Rancho Mirage				\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
MS18180	Omnitrans				\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	No

**Total: 3**

#### Declined/Cancelled Contracts



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18075	City of Orange				\$25,000.00	\$0.00	One Heavy-Duty Vehicle	\$25,000.00	No
ML18140	City of Bell Gardens	12/14/2018	12/13/2028		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-ZEVs	\$50,000.00	No
ML18149	City of Sierra Madre				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
ML18150	City of South El Monte				\$20,000.00	\$0.00	Implement Bike Share Program	\$20,000.00	No
ML18153	City of Cathedral City	5/3/2019	4/2/2025		\$52,215.00	\$0.00	Install EV Charging Infrastructure	\$52,215.00	No
ML18158	City of Inglewood				\$146,000.00	\$0.00	Purchase 4 Light-Duty Zero Emission, 4 Hea	\$146,000.00	No
ML18164	City of Pomona				\$200,140.00	\$0.00	Purchase Three Heavy-Duty ZEVs	\$200,140.00	No
MS18009	Penske Truck Leasing Co., L.P.	8/8/2018	12/7/2020		\$82,500.00	\$0.00	Modify Maintenance Facility & Train Technici	\$82,500.00	No
MS18013	California Energy Commission				\$3,000,000.00	\$0.00	Advise MSRC and Administer Hydrogen Infr	\$3,000,000.00	No
MS18017	City of Banning				\$225,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$225,000.00	No
MS18018	City of Norwalk	6/8/2018	9/7/2019		\$75,000.00	\$0.00	Vehicle Maintenance Facility Modifications	\$75,000.00	No
MS18107	Huntington Beach Union High School				\$225,000.00	\$0.00	Expansion of Existing Infrastructure	\$225,000.00	No
MS18109	City of South Gate				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18111	Newport-Mesa Unified School District				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS18112	Banning Unified School District	11/29/2018	11/28/2024	11/28/2025	\$275,000.00	\$0.00	Install New CNG Infrastructure	\$275,000.00	No
MS18113	City of Torrance				\$100,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$100,000.00	No
MS18119	LBA Realty Company XI LP				\$100,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$100,000.00	No
MS18121	City of Montebello				\$70,408.00	\$0.00	Expansion of Existing CNG Infrastructure	\$70,408.00	No

**Total: 18**

#### Closed Contracts

ML18022	City of Desert Hot Springs	5/3/2018	1/2/2020	1/2/2021	\$50,000.00	\$50,000.00	Traffic Signal and Synchronization Project	\$0.00	Yes
ML18126	City of Lomita	12/7/2018	1/6/2020		\$26,500.00	\$13,279.56	Install bicycle racks and lanes	\$13,220.44	Yes
MS18001	Los Angeles County MTA	6/29/2017	4/30/2018		\$807,945.00	\$652,737.07	Provide Clean Fuel Transit Service to Dodge	\$155,207.93	Yes
MS18004	Orange County Transportation Autho	8/3/2017	4/30/2019		\$503,272.00	\$456,145.29	Provide Special Rail Service to Angel Stadiu	\$47,126.71	Yes
MS18005	Orange County Transportation Autho	1/5/2018	4/30/2019		\$834,222.00	\$834,222.00	Clean Fuel Bus Service to OC Fair	\$0.00	Yes
MS18006	Anaheim Transportation Network	10/6/2017	2/28/2020		\$219,564.00	\$9,488.22	Implement Anaheim Circulator Service	\$210,075.78	Yes
MS18008	Foothill Transit	1/12/2018	3/31/2019		\$100,000.00	\$99,406.61	Special Transit Service to LA County Fair	\$593.39	Yes
MS18010	Southern California Regional Rail Aut	12/28/2017	7/31/2019		\$351,186.00	\$275,490.61	Implement Special Metrolink Service to Unio	\$75,695.39	Yes
MS18011	Southern California Regional Rail Aut	2/9/2018	6/30/2018		\$239,565.00	\$221,725.12	Special Train Service to Festival of Lights	\$17,839.88	Yes
MS18014	Regents of the University of Californi	10/5/2018	12/4/2019	3/4/2020	\$254,795.00	\$251,455.59	Planning for EV Charging Infrastructure Inve	\$3,339.41	Yes
MS18016	Southern California Regional Rail Aut	1/10/2019	3/31/2019		\$87,764.00	\$73,140.89	Special Train Service to Auto Club Speedwa	\$14,623.11	Yes
MS18025	Los Angeles County MTA	11/29/2018	5/31/2019		\$1,324,560.00	\$961,246.86	Special Bus and Train Service to Dodger Sta	\$363,313.14	Yes
MS18102	Orange County Transportation Autho	10/4/2019	5/31/2020		\$1,146,000.00	\$1,146,000.00	Implement OC Flex Micro-Transit Pilot Proje	\$0.00	Yes
MS18103	Orange County Transportation Autho	2/8/2019	9/7/2020		\$642,000.00	\$613,303.83	Install Hydrogen Detection System	\$28,696.17	Yes
MS18105	Southern California Regional Rail Aut	1/10/2019	6/30/2019		\$252,696.00	\$186,830.04	Special Train Service to the Festival of Light	\$65,865.96	Yes

**Total: 15**

#### Closed/Incomplete Contracts

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18133	City of Rancho Mirage	12/7/2018	11/6/2020		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
MS18026	Omnitrans	10/5/2018	1/4/2020		\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	No
<b>Total: 2</b>									
<b>Open/Complete Contracts</b>									
ML18019	City of Hidden Hills	5/3/2018	5/2/2022	5/2/2023	\$49,999.00	\$49,999.00	Purchase Two Light-Duty ZEVs and EVSE	\$0.00	Yes
ML18021	City of Signal Hill	4/6/2018	1/5/2022		\$49,661.00	\$46,079.31	Install EV Charging Station	\$3,581.69	Yes
ML18028	City of Artesia	6/28/2018	3/27/2025		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes
ML18032	City of Arcadia	2/1/2019	4/30/2025		\$24,650.00	\$24,650.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18033	City of Duarte	8/8/2018	2/7/2025		\$50,000.00	\$50,000.00	Purchase 1-HD ZEV	\$0.00	Yes
ML18035	City of Westlake Village	8/8/2018	11/7/2022		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes
ML18037	City of Westminster	6/28/2018	6/27/2024	12/27/2026	\$120,900.00	\$120,900.00	Install EVSE, Purchase up to 3-LD ZEV & 1-	\$0.00	Yes
ML18040	City of Agoura Hills	7/13/2018	6/12/2022		\$17,914.00	\$17,914.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18042	City of San Fernando	6/28/2018	2/27/2024		\$10,000.00	\$10,000.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
ML18045	City of Culver City Transportation De	6/28/2018	6/27/2025		\$51,000.00	\$51,000.00	Purchase Eight Near-Zero Vehicles	\$0.00	Yes
ML18048	City of Lynwood	6/28/2018	10/27/2024		\$93,500.00	\$44,505.53	Purchase Up to 3 Medium-Duty Zero-Emissi	\$48,994.47	Yes
ML18049	City of Downey	7/6/2018	5/5/2023		\$148,260.00	\$148,116.32	Install EV Charging Stations	\$143.68	Yes
ML18052	City of Garden Grove	8/8/2018	10/7/2022		\$53,593.00	\$46,164.28	Purchase 4 L.D. ZEVs and Infrastructure	\$7,428.72	Yes
ML18054	City of La Habra Heights	8/8/2018	4/7/2022		\$9,200.00	\$9,200.00	Purchase 1 L.D. ZEV	\$0.00	Yes
ML18061	City of Moreno Valley	4/9/2019	2/8/2025		\$25,000.00	\$25,000.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18062	City of Beaumont	8/8/2018	9/7/2024		\$25,000.00	\$25,000.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18070	City of Lomita	11/29/2018	6/28/2022		\$6,250.00	\$6,250.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
ML18071	City of Chino Hills	9/7/2018	10/6/2022		\$20,000.00	\$20,000.00	Purchase 2 Light-Duty ZEVs	\$0.00	Yes
ML18072	City of Anaheim	12/18/2018	11/17/2026		\$239,560.00	\$239,560.00	Purchase 9 Light-Duty ZEVs & 2 Med/Hvy-D	\$0.00	Yes
ML18074	City of Buena Park	12/14/2018	6/13/2026		\$107,960.00	\$107,960.00	EV Charging Infrastructure	\$0.00	Yes
ML18076	City of Culver City Transportation De	10/5/2018	10/4/2023		\$1,130.00	\$1,130.00	Purchase Light-Duty ZEV	\$0.00	Yes
ML18077	City of Orange	11/2/2018	10/1/2022		\$59,776.00	\$59,776.00	Four Light-Duty ZEV and EV Charging Infras	\$0.00	Yes
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$183,670.00	EV Charging Infrastructure	\$0.00	Yes
ML18081	City of Beaumont	10/5/2018	10/4/2022	10/4/2025	\$31,870.00	\$31,870.00	EV Charging Infrastructure	\$0.00	Yes
ML18085	City of Orange	4/12/2019	10/11/2026		\$50,000.00	\$50,000.00	Purchase Two Heavy-Duty Near-Zero Emissi	\$0.00	Yes
ML18086	City of Los Angeles Bureau of Street	2/8/2019	4/7/2023		\$300,000.00	\$300,000.00	Install Sixty EV Charging Stations	\$0.00	Yes
ML18095	City of Gardena	11/9/2018	12/8/2024		\$25,000.00	\$25,000.00	Purchase Heavy-Duty Near-ZEV	\$0.00	Yes
ML18097	City of Temple City	11/29/2018	7/28/2022		\$16,000.00	\$12,000.00	Purchase Two Light-Duty ZEVs	\$4,000.00	Yes
ML18127	City of La Puente	2/1/2019	2/28/2023		\$10,000.00	\$7,113.70	Purchase Light-Duty Zero Emission Vehicle	\$2,886.30	Yes
ML18131	City of Los Angeles, Police Departm	5/3/2019	12/2/2022		\$19,294.00	\$19,294.00	Purchase Three Light-Duty ZEVs	\$0.00	Yes
ML18143	City of La Habra	10/18/2019	9/17/2025	9/17/2027	\$80,700.00	\$80,700.00	Install Two EV Charging Stations	\$0.00	Yes
ML18154	City of Hemet	11/22/2019	9/21/2023	3/21/2024	\$30,000.00	\$30,000.00	Purchase Two Light-Duty ZEVs and EV Cha	\$0.00	Yes
ML18155	City of Claremont	7/31/2019	9/30/2023		\$50,000.00	\$35,608.86	Install EV Charging Infrastructure	\$14,391.14	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18160	City of Irwindale	3/29/2019	12/28/2022		\$14,263.00	\$14,263.00	Purchase Two Light-Duty ZEVs	\$0.00	Yes
ML18162	City of Costa Mesa	1/10/2020	7/9/2026		\$148,210.00	\$148,210.00	Purchase Three Light-Duty ZEVs and EV Ch	\$0.00	Yes
ML18173	City of Manhattan Beach	3/29/2019	2/28/2023		\$49,000.00	\$49,000.00	Purchase Two Light-Duty ZEVs and EV Cha	\$0.00	Yes
ML18176	City of Coachella	3/1/2019	11/30/2024		\$58,020.00	\$58,020.00	Install EV Charging Stations	\$0.00	Yes
MS18012	City of Hermosa Beach	2/2/2018	2/1/2024		\$36,000.00	\$36,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS18120	City of Redondo Beach	2/1/2019	9/30/2025		\$275,000.00	\$275,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes
MS18123	City Rent A Bin DBA Serv-Wel Dispo	12/14/2018	2/13/2025		\$200,000.00	\$200,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes

**Total: 40**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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### FY 2018-2021 Contracts

#### Open Contracts

MS21002	Better World Group Advisors	11/1/2019	12/31/2022		\$265,079.00	\$95,016.45	Programmatic Outreach Services	\$170,062.55	No
MS21003	Orange County Transportation Autho	7/8/2020	5/31/2021		\$468,298.00	\$241,150.48	Provide Express Bus Service to the Orange	\$227,147.52	No
MS21004	Los Angeles County MTA	1/7/2021	5/31/2023		\$2,188,899.00	\$0.00	Clean Fuel Bus Service to Dodger Stadium	\$2,188,899.00	No
MS21006	Geographics	4/1/2021	6/20/2023		\$12,952.00	\$0.00	Hosting & Maintenance of the MSRC Websit	\$12,952.00	No

**Total: 4**

#### Pending Execution Contracts

MS21005	Southern California Association of G				#####	\$0.00	Implement Last Mile Goods Movement Progr	#####	No
MS21007	Penske Truck Leasing Co., L.P.				\$1,160,000.00	\$0.00	Deploy 5 Zero-Emission Yard Tractors and	\$1,160,000.00	No
MS21008	CMA CGM (America) LLC				\$3,000,000.00	\$0.00	Deploy 2 Zero-Emission Rubber Tire Gantry	\$3,000,000.00	No
MS21009	ITS Technologies & Logistics, LLC				\$3,000,000.00	\$0.00	Deploy 12 Zero-Emission Yard Tractors and	\$3,000,000.00	No
MS21010	MHX Leasing, LLC				\$569,275.00	\$0.00	Deploy One Zero-Emission Overhead Crane	\$569,275.00	No
MS21011	RDS Logistics Group				\$808,500.00	\$0.00	Deploy 3 Zero-Emission Yard Tractors and	\$808,500.00	No
MS21012	Amazon Logistics, Inc.				\$4,157,710.00	\$0.00	Deploy up to 10 Zero-Emission and 100 Nea	\$4,157,710.00	No
MS21013	4 Gen Logistics				\$7,000,000.00	\$0.00	Deploy up to 40 Zero Emssions Trucks and I	\$7,000,000.00	No
MS21014	Green Fleet Systems, LLC				\$500,000.00	\$0.00	Deploy up to 5 Near Zero Emission Trucks	\$500,000.00	No
MS21015	Premium Transportation Services, In				\$1,500,000.00	\$0.00	Deploy up to 15 Near-Zero Emssions Trucks	\$1,500,000.00	No
MS21016	Ryder System, Inc.				\$3,169,746.00	\$0.00	Procure Two Integrated Power Centers and	\$3,169,746.00	No
MS21017	MHX Leasing, LLC				\$1,900,000.00	\$0.00	Deploy up to 10 Zero-Emission Trucks & Infr	\$1,900,000.00	No
MS21018	Pac Anchor Transportation, Inc.				\$2,300,000.00	\$0.00	Deploy up to 23 Near Zero Emission Trucks	\$2,300,000.00	No
MS21019	Volvo Financial Services				\$3,930,270.00	\$0.00	Lease up to 14 Zero-Emission Trucks and Pr	\$3,930,270.00	No
MS21021	CMA CGM (America) LLC				\$1,946,463.00	\$0.00	Deploy up to 13 Near Zero Emission Trucks	\$1,946,463.00	No

**Total: 15**

#### Declined/Cancelled Contracts

MS21020	Sea-Logix, LLC				\$2,300,000.00	\$0.00	Deploy up to 23 Near-Zero Emssions Trucks	\$2,300,000.00	No
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**Total: 1**

#### Closed Contracts

MS21001	Los Angeles County MTA	8/30/2019	7/29/2020		\$1,148,742.00	\$285,664.87	Implement Special Transit Service to Dodger	\$863,077.13	Yes
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**Total: 1**

AGENDA ITEM #4

AB 2766 Discretionary Fund Financial Report

**AB 2766 Discretionary Fund  
Financial Report - May 2021**

Available Funding as of May 31, 2021 (a)	\$ 67,260,002
Less Awards by Work Program: (b)	
FY 2014-16	\$ (66,284)
FY 2016-18	(112,750)
FY 2018-21	<u>(35,533,572)</u>
Total Awards by Work Program:	(35,712,606)
Less Balance of FY 2016-18 & FY 2018-21 Work Programs (funding not yet awarded)	<u>(26,500,000)</u>
Sub-total - Surplus/(Deficit)	\$ 5,047,396
Estimated Revenue (d)	<u>4,165,361</u>
Estimated Available for the FY 2018-2021 Work Program (e)	<u>\$ 9,212,758</u>

**Notes:**

(a) Cash less: open commitments on executed contracts, balance on administrative budget and \$500,000 reserve.

(b) Information provided by MSRC contracts staff. (Awards = Board approved contracts pending execution)

(c) FY 2016-18 & FY 2018-21 Work Program Summary:

FY 2016-18 Work Program	Total	Executed Contracts	Awarded	Balance
Major Event Center Transportation Program - (PA2015-13)	\$ 938,400	\$ 938,400	\$ -	\$ -
SCAG-Regional Active Transportation Program	2,500,000	2,500,000	-	-
MSRC Web-Site Development	60,753	60,753	-	-
Programmatic Outreach Coordinator	136,619	136,619	-	-
Major Event Center Transportation Program - (PA2017-05)	3,912,829	3,912,829	-	-
Natural Gas Infrastructure Program	2,945,000	2,945,000	-	-
Local Government Partnership	14,920,215	14,807,465	112,750	-
Technical Advisor - Work Program Portion	262,500	262,500	-	-
Hydrogen Infrastructure Projects	3,000,000	1,000,000	-	2,000,000
EV Charging Infrastructure Investments	254,795	254,795	-	-
SCAG-Future Communities Partnership Program	2,000,000	2,000,000	-	-
CTC Partnership Program	8,000,000	8,000,000	-	-
<b>FY 2016-18 Totals</b>	<b>\$ 38,931,111</b>	<b>\$ 36,818,361</b>	<b>\$ 112,750</b>	<b>\$ 2,000,000</b>

FY 2018-21 Work Program	Total	Executed Contracts	Awarded	Balance
Major Event Center Transportation Program	\$ 4,094,993	\$ 3,805,939	\$ 289,054	\$ -
MSRC Website Hosting & Maintenance	20,952	20,952	-	-
Natural Gas Infrastructure Program	1,012,772	1,012,772	-	-
Programmatic Outreach Coordinator (MS16030 modification)	15,000	-	15,000	-
Programmatic Outreach Coordinator	265,079	250,000	15,079	-
Technical Advisor - Work Program Portion	272,475	-	272,475	-
Market Acceleration Program	4,000,000	-	-	4,000,000
VIP Plus Up Incentive Program	2,500,000	-	-	2,500,000
SCAG Last Mile Component of the MSRC Regional Goods Movement Program	10,000,000	-	-	10,000,000
Inland Ports Zero and Near-Zero Emission Trucking	26,404,189	-	26,404,189	-
Inland Ports Zero and Near-Zero Emission Cargo Handling	8,537,775	-	8,537,775	-
Zero-Emission Drayage Truck and Infrastructure Pilot Project	8,000,000	-	-	8,000,000
<b>FY 2018-21 Totals</b>	<b>\$ 65,123,235</b>	<b>\$ 5,089,663</b>	<b>\$ 35,533,572</b>	<b>\$ 24,500,000</b>

(d) Estimated Revenue is the FY2019-20 and FY 2020-21 full year estimates less revenue received. Any change to Health & Safety Code 44243 could affect future revenue. The potential economic impact of COVID-19 could change revenue projections.

AGENDA ITEM #5

Contract Modification Request by  
City of Indian Wells

MSRC Agenda Item No. 5

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Two-Year Term Extension by City of Indian Wells, Contract #ML18036

**SYNOPSIS:** The City requests a two-year term extension due to staff turnover and COVID-19 pandemic impacts, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC reviewed the request and recommends approval

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

**Contractor:** City of Indian Wells

**Project Title:** Install EV Charging Infrastructure

**MSRC Funding:** \$50,000

**Contract Term:** August 8, 2018 to May 7, 2023

**Current Request:** Two-year term extension

**Previous Requests:** None

**Project Description:** The City was awarded \$50,000 under the MSRC's FYs 2016-18 Local Government Partnership Program to install five publicly accessible Level II charging stations. No work has been completed and nothing has been paid to date under this contract.

**Contract Request:** The City indicates that the COVID-19 pandemic and staffing changes have caused the design and construction of the charging stations to be delayed. They project that the stations will probably be installed by the end of 2021, but it might slip to early 2022. In order to fulfill the Local Government Partnership Program's three-year operational requirement, the City requests a two-year term extension.

**Recommendations:** The MSRC-TAC reviewed the request and recommends approval.



May 21, 2021

Attn: Leah Alfaro, Contracts Assistant  
MSRC Contract Administration  
21865 Copley Drive  
Diamond Bor, CA 91765

Re: Extension Request for Contract No. AB 2766/ML18036

Dear Ms. Alfaro,

The City of Indian Wells would like to write and ask for a formal extension of the grant pertaining to the above mentioned Contract, No. AB 2766/ML18036.

In early 2019, the Public Works department which is currently overseeing the contract and implementation of the five Level II EV chargers experienced significant change over in staff. As a small contract based city, losing staff members significantly impacted overall capacity to oversee, manage and deliver projects. New staff were not brought onto the program until late in 2019. Further, the impacts from the COVID-19 pandemic greatly impacted the CIP budget at the City of Indian Wells. Due to the closure of events and reduction in travel, the city lost nearly \$9 million in revenue. Nearly all capital projects were halted until spring 2021, including the implementation of the EV charging stations.

The City would like to ask for a two year extension of the program. We anticipate that the level II EV chargers will be installed by the end of 2021- however it is possible it could go into early 2022. A two year extension would mean that the EV charging stations are installed no later than two years after the initial requirement of May 2020.

We hope you will consider the above mentioned circumstances and grant this extension. If additional information or documentation is required, please feel free to reach out to Tanya Williams ([twilliams@indianwells.com](mailto:twilliams@indianwells.com)) who is currently overseeing this program. Thank you for your time and consideration.

Sincerely,



Ken A. Seumalo, P.E.

AGENDA ITEM #6

Contract Modification Request by  
City of Carson

MSRC Agenda Item No. 6

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Seventeen-Month Term Extension by City of Carson, Contract #ML18057

**SYNOPSIS:** The City indicates that COVID-19 pandemic impacts and staffing changes have delayed the design and construction of the charging stations. They request an approximately seventeen-month extension to November 30, 2024, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC reviewed the request and recommends approval

**ATTACHMENTS:** Contractor’s letter requesting modification

**DISCUSSION:**

**Contractor:** City of Carson

**Project Title:** Procure Five Light-Duty ZEVs and Install EV Charging Infrastructure

**MSRC Funding:** \$106,250

**Contract Term:** October 5, 2018 to June 4, 2023

**Current Request:** Seventeen-month term extension

**Previous Requests:** None

Project Description: The City was awarded \$106,250 under the MSRC’s FYs 2016-18 Local Government Partnership Program to procure five light-duty zero emission vehicles and install three publicly accessible Level II charging stations. The vehicles have been entered into service and \$50,000 has been paid to date under this contract.

Contract Request: The City indicates that the COVID-19 pandemic and staffing changes have caused the design and construction of the charging stations to be delayed. They project that the stations will be installed by November 30, 2021. In order to fulfill the Local Government Partnership Program’s three-year operational requirement, the City requests an extension until November 30, 2024—approximately a seventeen-month extension.

Recommendations: The MSRC-TAC reviewed the request and recommends approval.



# CITY OF CARSON

April 28, 2021

Cynthia Ravenstein  
Contract Administrator  
MSRC  
21865 Copley Drive  
Diamond Bar, CA 91765-4178

Re: MSRC Contract No. ML 18057  
Request for Time Extension

Dear Ms. Ravenstein:

The City of Carson is seeking additional time to complete Contract No. ML 18057. The contract had two major components, one was to procure five on-road, light-duty zero emission vehicles and the second was to install three electric vehicle (EV) charging stations. The City purchased five zero emission vehicles and submitted the reimbursements requests accordingly, however, we experienced difficulty due to the COVID-19 pandemic and staffing changes which subsequently caused the design and construction of the EV charging stations to be delayed.

The City will be able to complete the design work and install the three chargers before the end of November 30, 2021. The City appreciates your consideration of this contract extension request, and we look forward to implementing the balance of the work.

If you have any questions or comments, please contact me via email at [rkulcsar@carson.ca.us](mailto:rkulcsar@carson.ca.us) or by phone at 310.952.1700 ext. 1312

Sincerely,

*Reata Kulcsar*

Reata Kulcsar  
Sustainability Administrator – Utilities

AGENDA ITEM #7

Contract Modification Request by  
Universal Waste Systems

MSRC Agenda Item No. 7

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Two-Year Term Extension by Universal Waste Systems (UWS), Contract #MS18122

**SYNOPSIS:** UWS indicates that the COVID-19 pandemic has impacted their ability to complete permitting with the City of South Gate, and the process to get power delivered by Southern California Edison is taking longer than anticipated. They request a two-year term extension as part of the FYs 2016-18 Natural Gas Infrastructure Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC reviewed the request and recommends approval

**ATTACHMENTS:** Contractor's letter requesting modification

**DISCUSSION:**

**Contractor:** **Universal Waste Systems**

**Project Title:** Install Limited Access CNG Station

**MSRC Funding:** \$200,000

**Contract Term:** February 1, 2019 to March 31, 2026

**Current Request:** Two-year term extension

**Previous Requests:** One-year term extension

Project Description: UWS was awarded \$200,000 under the MSRC's FYs 2016-18 Natural Gas Infrastructure Program to install a limited access CNG station. UWS has purchased the station equipment and it is awaiting installation. Nothing has been paid to date on this contract.

Previous Request: UWS indicated that construction was delayed, primarily due to delays associated with Southern California Gas assuring adequate flow to the site. UWS requested a one-year term extension. This modification was processed administratively.

Contract Request: UWS now indicates that the COVID-19 pandemic has impacted their ability to complete permitting with the City of South Gate, and the process to get power delivered by Southern California Edison is taking longer than anticipated. They anticipate having the electrical signed off within the next 30 days and will begin the construction for power delivery to the site. They request a two-year term extension.

Recommendations: The MSRC-TAC reviewed the request and recommends approval.



May 20, 2021

Ms. Leah Alfaro  
Contracts Assistant  
South Coast Air Quality Management District / MSRC  
21865 Copley Drive  
Diamond Bar, CA 91765

Re: Contract MS18122A – Request for an Extension

Dear Ms. Alfaro:

Please accept this letter as our request for a time extension related to Contract MS18122A signed on February 1, 2019.

We would like to request that the contract for the installation of the Compressed Natural Gas (CNG) fueling station for Universal Waste Systems (UWS) until March 31, 2022. The reasons for the request are as follows.

- We have not been able to complete the permitting of the fueling station with the City of South Gate due to COVID which has reduced hours at City Hall and access to staff.
- The site currently does not have power. We are working with Edison to have power delivered to the site in order to electrify the CNG station. The process to permit and have the electrical installed is long and complicated.

UWS has purchased all of the CNG equipment and it is on site ready for installation. We anticipate have the electrical signed off in the next 30 days and will begin construction to have power delivered to the site.

Thank you for your consideration and please let us know if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "DFahrion", is written over the word "Sincerely,".

David E. Fahrion  
Senior Advisor



AGENDA ITEM #8

Contract Modification Request by  
Riverside County Transportation Commission

MSRC Agenda Item No. 8

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Two-Year Term Extension by Riverside County Transportation Commission (RCTC), Contract #MS18024

**SYNOPSIS:** RCTC requests a two-year term extension due to COVID-19 impacts on the VanClub program and the time needed to ramp the program back up, as part of the FYs 2016-18 County Transportation Commission Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC reviewed the request and recommends approval

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

**Contractor:** Riverside County Transportation Commission

**Project Title:** Implement Vanpool Incentive Program

**MSRC Funding:** \$1,500,000

**Contract Term:** June 28, 2018 to August 27, 2021

**Current Request:** Two-year term extension

**Previous Requests:** None

Project Description: RCTC was awarded \$1,500,000 in January 2018 under the MSRC's FYs 2016-18 County Transportation Commission Partnership Program to implement a vanpool incentive program. The VanClub program launched in May 2018 and \$659,640 has been paid to date, covering the period through June 2020.

Contract Request: RCTC indicates that the VanClub program has been significantly impacted by COVID-19 and it will take additional time to ramp the program back up. They request a two-year term extension.

Recommendations: The MSRC-TAC reviewed the request and recommends approval.



4080 Lemon St. 3rd Fl. Riverside, CA 92501  
Mailing Address: P.O. Box 12008 Riverside, CA 92502-2208  
951.787.7141 • [rctc.org](http://rctc.org)

May 25, 2021

Mr. Matt Mackenzie  
MSRC Contracts Administration  
Clean Transportation Funding from MSRC  
21865 Copley Drive  
Diamond Bar, CA 91765

RE: Contract Number MS18024

Mr. Mackenzie:

The Riverside County Transportation Commission (RCTC) respectfully requests a no-cost, twenty-four-month (24) extension for Contract MS18024 to provide additional time to maximize the benefits of and fully expend the contract allocation.

The RCTC VanClub program was significantly impacted by the pandemic and it will take additional time to ramp the program back up as employers open-up more worksites and transition back to a new "normal."

The requested extension will provide for continuation of subsidies to eligible vanpools in Riverside County. Since VanClub's inception, it is estimated that participants who have switched from single occupancy vehicle trips to vanpooling have eliminated more than 4,000 tons of emissions thanks to MSRC funding.

Thank you for your consideration. If you have any questions or concerns regarding this request, I can be reached at 951-255-5288.

Sincerely,

A handwritten signature in blue ink that reads "Brian Cunanan".

Brian Cunanan  
Program Manager, Commuter & Motorist Assistance

AGENDA ITEM #9

Contract Modification Request by  
City of Big Bear Lake

MSRC Agenda Item No. 9

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Modified Scope of Work or in the Alternative, a One-Year No-Cost Term Extension by City of Big Bear Lake, Contract #MS18122

**SYNOPSIS:** The contract describes the project for this segment of the Rathbun Creek Trail as the installation of 1,500 linear feet of 10-foot wide paved trail, 120 linear feet of privacy fence, 850 linear feet of split rail fencing, and one prefabricated bridge, with all lengths approximate. The original length of the trail itself was based on a connection to Big Bear Boulevard through private property. Although that is still a longer-term goal, for the time being the proposed slightly shorter trail connects to the Boulevard through an access easement from the County of San Bernardino. This change negated the need for privacy fence. The City also installed considerably more split-rail fencing than originally anticipated due to property owner requests. The City requests to modify the project to reflect these changes and other changes. In the alternative, if the requested modifications to the scope of work are denied, the City requests a one-year term extension as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC considered the request and recommends approval of the modified scope of work

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

Contractor: **City of Big Bear Lake**

Project Title: Install Bicycle Trail

MSRC Funding: \$50,000

Contract Term: November 29, 2018 to August 28, 2021

Current Request: Reduce trail length and modify alignment, eliminate privacy fencing, increase split rail fencing. Contingency request: One-year term extension  
Previous Requests: One-year term extension

Project Description: The City was awarded \$50,000 under the MSRC's FYs 2016-18 Local Government Partnership Program to install a segment of Class I Bikeway. As specified in Contract #ML18088, this 0.3-mile segment of the Rathbun Creek Trail included the installation of 1,500 linear feet of 10-foot wide paved trail; 120 linear feet of 6-foot wood privacy fence, plus two gates; 850 linear feet of split rail fencing, plus two gates; and one prefabricated bridge, with all lengths approximate. The City has completed all installations and the bikeway is now in use, but bicycle and pedestrian usage counts still need to be conducted. Nothing has been paid to date on this contract.

Previous Request: The City indicated that they were encountering delays with the acquisition of easements, and they had the need to acquire additional property to continue the trail. The City requested a one-year term extension. This modification was processed administratively.

Contract Request: The City completed construction of the trail; however, MSRC staff noted that there were some differences between the completed trail and the contract specifications. The completed trail was shorter, approximately 1,200 linear feet as opposed to 1,500 feet, with no privacy fencing. The City explained that during construction certain elements had to be adjusted to match field conditions. The originally intended, longer alignment would have connected to Big Bear Boulevard through private property. This is still a longer-term goal, but for the time being the slightly shorter trail connects to the Boulevard through an access easement from the County of San Bernardino. The privacy fencing was not needed with the new alignment. 2,400 linear feet of split rail fencing—much more than originally anticipated—was installed due to property owner requests. The City also installed a retaining wall and concrete cross gutters which were not in the original scope. The City requests that the MSRC approve the modified scope.

Alternatively, if the MSRC does not approve the modified scope, the City requests approval of a one-year term extension so that they can complete the original scope.

Recommendations: The MSRC-TAC considered the request and recommends approval of the modified scope of work.



CITY OF  
**BIG BEAR LAKE** *California*

May 4<sup>th</sup>, 2021

Matt Mackenzie  
South Coast Air Quality Management District / MSRC  
21865 Copley Drive  
Diamond Bar, CA 91765

RE: Contract ML18088.

Mr. Mackenzie,

The City of Big Bear Lake requests an amendment to the contract referenced above, to revise the scope of work of the project, and to continue to receive AB 2766 Discretionary Funds for the City of Big Bear Lake Rathbun Trail project.

The pedestrian bridge is now in place, the trail has been paved, and wood rail fence has been installed along the sides of the trail alignment. The trail is operational and currently being used by the locals and visitors.

During construction, certain elements of the trail had to be adjusted to match the field conditions. A 3-foot-high retaining wall has been constructed in order to follow the alignment of the trail, which was not originally in the scope, as well as 2 concrete cross gutters; wood rail fence was installed all along the trail alignment, increasing the quantity from 850 linear feet to 2400 linear feet; the wood privacy fence has been removed from the scope as it was no longer needed; and the 2 gates will be installed soon. Bicycle counts will be completed this week as requested in the scope.

The City hereby request the scope of the project to be revised to:

- A. Install approximately 1,200 linear feet of approximately 10-foot wide, paved trail, including necessary erosion control, clearing and grubbing;
- B. Install 2400 linear feet split rail fencing, plus two gates;
- C. Install 80 linear feet of 3' high retaining wall and concrete cross gutters.
- D. Install one prefabricated bridge; and
- E. After completion of construction, collect counts of bicycle and pedestrian usage at a fixed location within the project limits—at a minimum, counts shall be conducted on two separate days of the week, for at least two hours each day.



CITY OF  
**BIG BEAR LAKE** *California*

As discussed in previous conversations, if the scope of work could not be adjusted, the City requests a time extension of 1 additional year to complete the improvements, with a revised completion date of 8/28/2022.

We thank you in advance for your help with this project,

Should you have any questions, please feel free to contact me at (909) 866-5831 extension 137.

Sincerely,  
Israel Gomez  
Associate Engineer



AGENDA ITEM #10

Contract Modification Request by  
City of South Gate

MSRC Agenda Item No. 10

**DATE:** June 17, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Modified Statement of Work and Two-Year Term Extension by City of South Gate, Contract #ML18146

**SYNOPSIS:** The MSRC originally awarded the City of South Gate funding towards the procurement of five light-duty electric vehicles and the installation of three Level II charging stations. In November 2020, the MSRC considered and approved the City's request to substitute a Level III charging station for the Level II charging station at their corporate yard. The MSRC also approved the one-year contract term extension requested by the City, as well as an additional two years needed to fulfill the longer operational requirement for a Level III station. Prior to executing any contract modification, the City has re-evaluated its needs and determined that they would be better served by Level II charging stations. The City requests to modify the original contract and increase the number of Level II charging stations from three to six, at no additional cost to the MSRC. They also request a two-year contract term extension, inclusive of the one year previously granted, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** The MSRC-TAC reviewed the request and recommends approval

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

Contractor: **City of South Gate**

Project Title: Install EV Charging Stations

MSRC Funding: \$121,500

Project Term: March 1, 2019 to November 30, 2023

**Current Request:** Increase from three to six Level II stations and two-year term extension  
**Previous Requests:** Substitute Level III for Level II station at corporate yard and one-year term extension

**Project Description:** The MSRC awarded the City \$127,400 to procure five light-duty zero emission vehicles and to install EV charging stations. Of this amount, \$50,000 was for the procurement of the vehicles, \$47,400 was for the installation of two limited access Level II charging stations, and \$30,000 was for the installation of one publicly accessible Level II charging station. All the vehicles have been placed into service and \$50,000 has been paid to date on this contract.

**Previous Request:** The City indicated that they expected to procure additional electric vehicles, but they did not anticipate installing any more charging stations. In order to improve efficiency and offer a sense of security that the electric vehicles will be available for emergencies, the City requested to substitute the installation of a Level III charging station for the installation of a Level II charging station at their corporate yard, with no additional funding from the MSRC. The City further requested a one-year term extension to complete the installations and submit the final report. The MSRC's FYs 2016-18 Local Government Partnership Program requires that Level III charging stations remain operational for five years. The one-year extension requested by the City would not suffice to fulfill this requirement. Therefore, MSRC staff recommended approval of a three-year term extension if the MSRC approved the City's request. The MSRC approved the request at their November 2020 meeting.

**Contract Request:** Prior to executing any contract modification, the City has re-evaluated its needs and determined that they would be better served by Level II charging stations. The City requests to modify the original contract and increase the number of Level II charging stations from three to six. One station is proposed for the South Gate City Hall Underground Parking Garage, one for the South Gate Police Department, and one for the City Corporate Yard. All three additional stations would be limited access. These installations would be accomplished without any additional MSRC funding. The City further requests a two-year term extension, inclusive of the one-year extension previously granted by the MSRC, to allow them to complete the installations and submit their Final Report by November 26, 2022.

**Recommendations:** The MSRC-TAC reviewed the request and recommends approval.



## Public Works Department

Arturo Cervantes, P.E., Assistant City Manager/Director of Public Works

8650 California Avenue, South Gate, CA 90280-3004

P: (323) 357-9657 F: (323) 563-9572

[www.cityofsouthgate.org](http://www.cityofsouthgate.org)

May 19, 2021

Leah Alfaro  
Contracts Assistant  
MSRC Contracts Administration  
MSRC/AB2766  
21865 Copley Drive  
Diamond Bar, CA 91765

**Re: Request for Contract Amendment – AB 2766/MSRC Local Government Partnership Program- South Gate Contract No. ML18146**

Dear Ms. Alfaro:

The City of South Gate (City) is respectfully requesting a contract amendment to the subject grant.

In Fiscal Year 2018/19, the City was awarded a grant from AB 2766/MSRC Local Government Partnership Program in the amount of \$127,400 under contract ML18146. The grant proposes to install a total of three, Level II electric vehicle charging stations, one at each respective locations as follows: 8620 California (limited access), 8680 California Ave (public access) and 4244 Santa Ana Street (limited access).

The City would like to request amendments to Contract No. ML18146 for the electric vehicle charging stations as follows:

- A 24-month contract extension allowing the City to submit the Final Report by November 26, 2022, excluding the additional operational requirement.
- Add one (1) new limited access Level II electric vehicle charging station at the South Gate City Hall Underground Parking Garage located at 8650 California Avenue, South Gate, CA 90280 for fleet use.
- Add one (1) additional limited access Level II electric vehicle charging station at the South Gate Police Department located at 8620 California Avenue, South Gate, CA 90280 for fleet use. This will serve as a second electric vehicle charging station located at the Police Department.

- Add one (1) additional limited access Level II electric vehicle charging station at the South Gate City Corporate Yard located at 4244 Santa Ana Avenue, South Gate, CA 90280 for fleet use. This will serve as a second electric vehicle charging station located at the City Corporate Yard.

The contract time extension will provide the City time to procure the long-lead project equipment due to current component shortages and provide sufficient time to construct the additional charging stations.

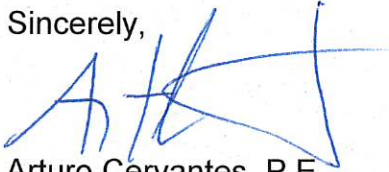
The proposed amendment will meet the original grant requirements. The City acknowledges that no additional grant funding will be provided with the changes requested above.

Your support in this important project to the City is appreciated.

If you have any questions, please do not hesitate to contact the Project Manager, Victor H. Chavez at (323) 357-9661 or by email at [vchavez@sogate.org](mailto:vchavez@sogate.org).

Thank you for your time and consideration.

Sincerely,



Arturo Cervantes, P.E.  
Assistant City Manager/Director of Public Works

cc. Emilio Murga, P.E., Consultant City Engineer  
Jose Loera, T.E., Interim Assistant City Engineer  
Gladis Deras, Senior Engineer

AGENDA ITEM #11

Consider FY 2021-22 Administrative Budget



MSRC Agenda Item No. 11

DATE: June 17, 2021  
FROM: Aaron Katzenstein  
SUBJECT: FY 2021-22 Administrative Budget

SYNOPSIS: As part of the annual MSRC budget, administrative costs are limited to not more than 6.25 percent of the annual MSRC portion of the AB 2766 revenues. Each year, an administrative budget is prepared. For FY 2021-22, the projected administrative costs are \$829,544 against a cap of \$1,018,750.

RECOMMENDATION(S): Review and approve the attached FY 2021-22 Administrative Budget.

WORK PROGRAM IMPACT: Seventy-five (75) percent of the technical advisor's contract, or an estimated amount of \$136,239, is chargeable to the FY 2021-22 Work Program. There are no other work program impacts.

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BACKGROUND:

California Health & Safety Code, Section 44233, limits the administrative expenses for the MSRC to not more than 6.25 percent of its annual AB 2766 revenues. Each year, an administrative budget is prepared for review and approval by the MSRC.

DISCUSSION:

The proposed FY 2021-22 Administrative Budget is \$829,544 as shown in the attachment. The projected 6.25 percent administrative cap is \$1,018,750, leaving a margin of \$189,206. The following elements apply to these projections:

(1) Staff Salaries:

Costs are projected for three full-time staff positions (one Program Supervisor and two Contracts Assistants), and a part time position (Senior Administrative Secretary).

(2) Staff Administrative Support

SCAQMD charges MSRC for certain support functions provided to the MSRC. This includes legal, financial, and contractual support.

(3) Burdened Rates:

SCAQMD charges MSRC burdened rates for its staff positions and other administrative support personnel. The fully burdened hourly rate reflects the FY 2021-22 proposed overhead rates and the existing SCAQMD labor agreement resulting in an increase of \$19,757 in staffing costs.

(4) Miscellaneous Direct Costs:

These costs include: (1) 25 percent of the technical advisor's contract costs, in an estimated amount of \$45,413; (2) annual travel costs of \$2,500; (3) \$5,000 for conference related expenses and (4) miscellaneous expenses, such as printing, mailing, refreshments, etc., in the amount of \$48,500.

(5) Revenues:

Based on receipts for the AB 2766 program, the revenue projection has been revised to reflect the current trend in revenue collections.

In summary, the projected FY 2021-22 Administrative Budget reflects the best and most reasonable cost estimates that are currently available.

ATTACHMENT:

Spreadsheet outlining Proposed FY 2021-22 Administrative Budget



**Mobile Source Air Pollution Reduction Review Committee**

Fiscal Year 2021-22 Proposed Administrative Budget

Staff	FY 2020/21 Adopted Budget			FY 2021/22 Proposed Budget				
	Hours	Fully Burdened Rate	Budget	Hours	Fully Burdened Rate	Budget	Recognize in AQMD Budget	
							Work Program	Account #
<b>Staff Administrative Support</b>								
Senior Deputy District Counsel	260	\$ 144.55	\$ 37,582			\$ -		
Principal Deputy District Counsel				260	153.24	\$ 39,842		
Financial Analyst	90	110.16	\$ 9,914	90	112.90	\$ 10,161		
Procurement Manager	300	141.29	\$ 42,386	300	144.60	\$ 43,379		
Secretary	40	72.98	\$ 2,919	40	75.04	\$ 3,002		
Staff Specialist	220	110.28	\$ 24,261	220	113.02	\$ 24,864		
Contracts Assistant	220	72.98	\$ 16,056	220	75.04	\$ 16,509		
Fiscal Assistants (2)	20	68.92	\$ 1,378	20	70.91	\$ 1,418		
Accounting Technician	20	77.46	\$ 1,549	20	79.60	\$ 1,592		
Senior Accountant	10	100.56	\$ 1,006	10	103.13	\$ 1,031		
<b>Total Staff Administrative Support</b>	<b>1,180</b>		<b>\$ 137,052</b>	<b>1,180</b>		<b>\$ 141,798</b>		
<b>Contract Administration &amp; Program Support</b>	<b>(a)</b>			<b>(a)</b>				
Program Supervisor	1,900	\$ 126.57		1,900	\$ 129.61			
Senior Administrative Secretary	600	89.18		600	91.54			
Contracts Assistant	1,900	72.98		1,900	75.04			
Contracts Assistant	1,900	72.98		1,900	75.04			
<b>Total Contract Administration &amp; Program Support</b>	<b>6,300</b>		<b>\$ 571,322</b>	<b>6,300</b>		<b>\$ 586,333</b>		
<b>SUBTOTAL STAFFING COSTS</b>			<b>\$ 708,374</b>			<b>\$ 728,131</b>		
<b>Miscellaneous Direct Costs</b>								
Professional & Special Services			\$ 9,000			\$ 9,000	44003	67450
Public Notice			8,000			8,000	44003	67500
Communications			5,000			5,000	44003	67900
Postage			7,500			7,500	44003	68060
Office Expense/Supplies			12,000			12,000	44003	68100
Miscellaneous Expense			7,000			7,000	44003	69700
Conference- Related Expense			5,000			5,000	44003	69700
<b>Technical Advisor (25%) (b)</b>			45,413			45,413		
<b>Travel Costs</b>			2,500			2,500	44003	67800
<b>Fixed Assets</b>			-			-		
<b>Total Miscellaneous Direct Costs</b>			<b>\$ 101,413</b>			<b>\$ 101,413</b>		
<b>Total MSRC Admin Costs</b>	<b>7,480</b>		<b>\$ 809,787</b>	<b>7,480</b>		<b>\$ 829,544</b>		
<b>Estimated 6.25% Admin Cap</b>			<b>\$ 1,018,750</b>			<b>\$ 1,018,750</b>		
<b>Amount (Over)/Under MSRC 6.25% Admin Cap</b>			<b>\$ 208,963</b>			<b>\$ 189,206</b>		

(a) The Staff Specialist and Contracts Assistants (2) are budgeted for 100 overtime hours each.

(b) The projection for Technical Advisor expense projection is based on the current contract.

**Fully Burdened Rate includes:**

64.03% Benefits

12.8% Overhead

28.3% General & Administrative

AGENDA ITEM #12

Consider Incorporating Labor Law Provision in MSRC Contracts  
for On-Road Truck Projects



## South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

*Office of the Executive Officer*  
*Wayne Nastri*  
909.396.2100, fax 909.396.3340

April 16, 2021

Larry McCallon, Chair  
Mobile Source Air Pollution Reduction Review Committee

Dear Chair McCallon:

The South Coast AQMD staff applauds the MSRC awards of almost \$29 million as a result of your Zero and Near-Zero Emission Trucking to Warehouse, Distribution and Intermodal Facilities in Riverside and San Bernardino Counties RFP, which was approved at our April 2, 2021 Governing Board meeting. During the approval of the item, however, there was testimony opposing any awards to companies with labor violations and specifically to Amazon. There have been no legal judgments against the awardee, Amazon Logistics, Inc., of which staff is aware. Current MSRC contracts require companies to comply with all laws and regulations. The Governing Board approved the MSRC work plan and discussed the following:

Incorporate language in MSRC contracts for on-road truck projects similar to South Coast AQMD grant contracts regarding labor laws.

The South Coast AQMD has used the following language in its grant programs:

#### Violation of Labor Laws

CONTRACTOR shall promptly notify SCAQMD in writing if CONTRACTOR has been found by a court or federal or state agency to have violated labor laws. CONTRACTOR shall complete a yearly certification in which CONTRACTOR shall either state it has not been found by a court or federal or state agency to have violated labor laws or, if such violations have been found, CONTRACTOR shall give SCAQMD details about those violations in the certification. If CONTRACTOR has previously provided that information to the SCAQMD, it shall reattach that previous notification to the certification and provide any additional details about those violations that have not previously been provided. CONTRACTOR's yearly certification shall be due at the same time as the annual progress report(s) set forth in Attachment 1A of the Statement of Work. SCAQMD reserves the right to terminate this

Contract upon such a finding, and CONTRACTOR shall, at SCAQMD's request, return any and all Contract funds, as determined by SCAQMD. CONTRACTOR shall ensure that the provisions of this clause are included in all subcontracts.

Members of the South Coast AQMD Board requested the MSRC consider adding this or similar language.

Provide cost-share information on the items to be approved.

We know the MSRC conducts its awards according to the South Coast AQMD procurement policies, however, Governing Board members would like to easily see the cost-share information for each agenda item. A link to details of the cost-share would be helpful for the Governing Board members as they consider proposed actions on the agenda items.

Again, we appreciate the funding the MSRC has directed toward meeting the region's clean air goals and look forward to our continued partnership.

Sincerely,

A handwritten signature in black ink, appearing to read "Wayne Natri", with a stylized flourish at the end.

Wayne Natri  
Executive Officer

WN/drw

AGENDA ITEM #13

Consider Project Concepts and Proposals Received Under the  
Hydrogen Infrastructure Partnership Program



MSRC Agenda Item No. 13

**DATE:** June 17, 2021

**FROM:** Ray Gorski, MSRC Technical Advisor on behalf of the Infrastructure Subcommittee

**SUBJECT:** MSRC-TAC Recommendations under the FY 2016-'18 Hydrogen Infrastructure Partnership Program

**SYNOPSIS:** As an element of their FYs 2016-18 Work Program, the MSRC allocated \$3,000,000 for the implementation of hydrogen refueling stations within South Coast AQMD's jurisdiction. A Program Opportunity Notice was released on April 6, 2018, and closed on April 9, 2021. \$1,000,000 has been awarded to date.

As previously authorized by MSRC, full proposals have been received from California State University Los Angeles Auxiliary Services (CSULA) and San Bernardino County Transportation Authority (SBCTA). Additionally, project concepts were received prior to the submission deadline from Air Products, Nikola, and Clean Energy. The MSRC-TAC Infrastructure Subcommittee has reviewed the proposals and project concepts. The Subcommittee recommends: 1) an award to SBCTA in an amount not to exceed \$1,662,000, contingent upon SBCTA agreeing to make the station available to other users, at no cost to the MSRC, in the event that the Zero-Emission Multiple Unit train does not operate for at least five years; 2) that the CSULA Auxiliary Services proposal not receive a funding award; and 3) that the MSRC seek the submission of full proposals from Air Products, Nikola, and Clean Energy.

**WORK PROGRAM IMPACT:** The MSRC has allocated \$3.0M in FY 2016-'18 Discretionary Funds to implement the Hydrogen Infrastructure Partnership Program.

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HYDROGEN INFRASTRUCTURE PARTNERSHIP OVERVIEW: The MSRC Hydrogen Infrastructure Partnership Program seeks to expand the availability of hydrogen refueling infrastructure in the South Coast AQMD region by making available a source of co-funding that can be accessed by the MSRC's strategic partners. The intent is to provide funding that can be used to improve the financial viability of a candidate hydrogen refueling station that has already undergone vetting by the South Coast AQMD or Energy Commission, or is being proposed by a public agency or industry stakeholder that will undergo evaluation by the MSRC, South Coast AQMD, or Energy Commission. The goal is to have this funding source readily available so it can be tapped by our strategic partners during and within the course of their regular procurement processes.

To date, one project has been awarded funding under this Program. The University of California Irvine (UCI) received \$1,000,000 in MSRC **Clean Transportation Funding™** to co-fund expansion of a hydrogen refueling station at UCI.

A. **ADDITIONAL PROPOSALS AUTHORIZED BY MSRC, RECEIVED, & EVALUATED**: As previously authorized by MSRC, full proposals have been received from California State University Los Angeles Auxiliary Services (CSULA) and San Bernardino County Transportation Authority (SBCTA). Each proposal has undergone review by the Infrastructure Subcommittee.

1. SBCTA Arrow Maintenance Facility Hydrogen Fuel Upgrade Project – SBCTA is proposing the Arrow Maintenance Facility (AMF) Hydrogen Fuel Upgrade Project (Project) to facilitate the integration of a hydrogen (H<sub>2</sub>) fuel Zero Emission Multiple Unit (ZEMU) rail vehicle into the planned Arrow service. SBCTA is currently constructing the AMF that will service SBCTA's diesel multiple unit (DMU) rail vehicle fleet for the Arrow service. Operations are scheduled to commence in 2021. Following successful implementation of the pilot ZEMU rail vehicle, SBCTA intends to replace the remaining DMUs in the fleet.

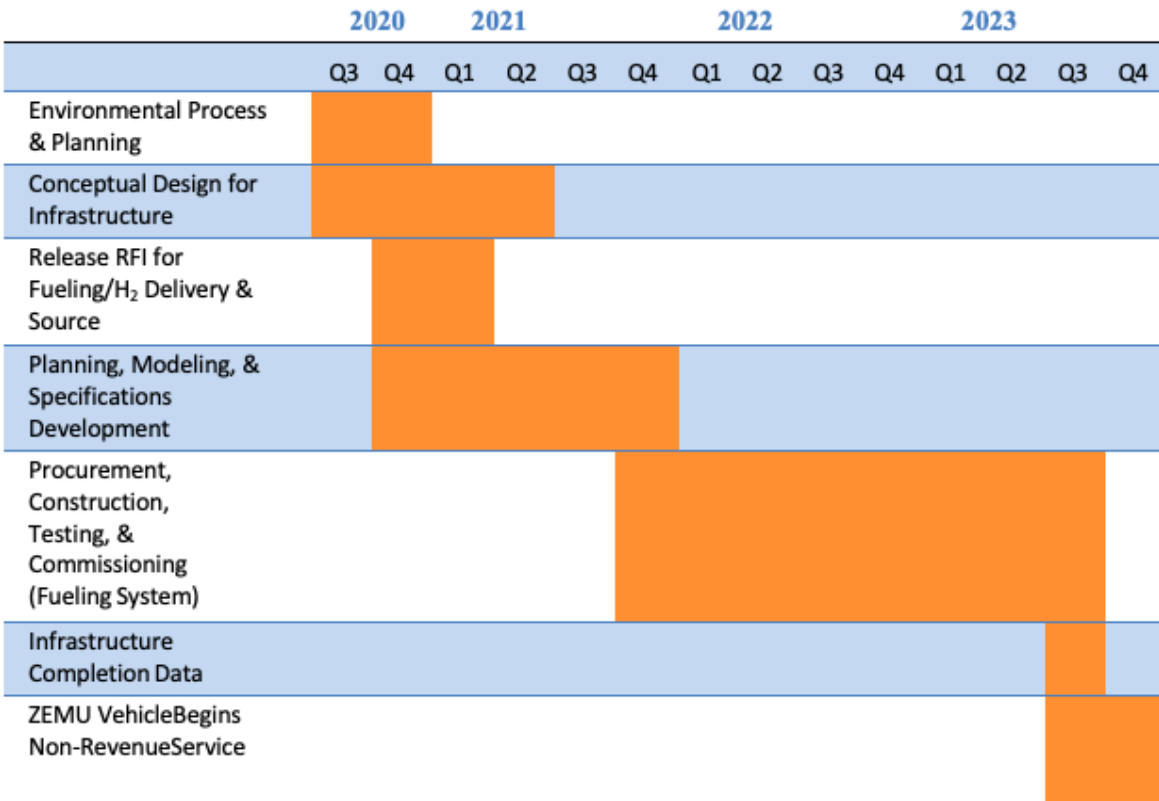
The AMF Project site is located in San Bernardino near the intersection of North J Street and 3rd Street. The Project site is located to the northeast of the San Bernardino Santa Fe Depot and Metrolink Station platforms, in an SB 535 designated Disadvantaged Community. The limits of the Project would generally be confined to SBCTA's existing AMF site.

SBCTA will construct a new H<sub>2</sub> Refueling Area in the southern portion of the AMF to facilitate the refueling and operation of a ZEMU train vehicle. The Refueling Area would be constructed to include additional space for: one charging station for the ZEMU onboard batteries, a H<sub>2</sub> storage tank and associated fueling infrastructure including a H<sub>2</sub> compressor, chiller, evaporator, fueling nozzle, electrical vault, sub-station, and backup generator.

To provide flexibility for final design, SBCTA is considering the use of H<sub>2</sub> in either gaseous or liquid form. If H<sub>2</sub> gas is selected, the storage capacity would be approximately 500 kilograms (kg). If H<sub>2</sub> liquid is selected, a storage tank with a capacity of 4,000 kg is in the preliminary specification. A liquid to gas conversion container will be required for the Project if liquid H<sub>2</sub> is supplied.

The AMF is currently under construction with a planned opening date of July 2021. Design of the H<sub>2</sub> Refueling Area is anticipated to commence in 2021, with construction starting in 2022 to serve the ZEMU during initial vehicle delivery. The ZEMU will enter into initial non-revenue service and testing in the fall of 2023 with revenue service beginning as early as late 2024. The project schedule is illustrated in Figure 1.

Figure 1 – SBCTA Arrow ZEMU H<sub>2</sub> Station Construction Timeline



The ZEMU vehicle will begin non-revenue testing in the fall of 2023. Once SBCTA grants final acceptance, currently scheduled for 2024, it will be put into passenger service for demonstration for a minimum of two (2) years. At the completion of the 2-year demonstration period, the ZEMU vehicle will enter full revenue service. SBCTA intends to



operate the ZEMU for twenty-five (25) years before retirement with anticipated major overhaul(s) for lifecycle maintenance.

To avoid the possibility that the AMF H<sub>2</sub> station would become a stranded asset in the event SBCTA does not operate the ZEMU beyond the initial demonstration period, the Infrastructure Subcommittee recommends a condition be placed on any MSRC **Clean Transportation Funding**<sup>™</sup> award towards this project. The Subcommittee recommends a condition be included in the SBCTA contract whereupon SBCTA agrees to make the H<sub>2</sub> refueling station available to other users, at no cost to the MSRC, in the event that the Zero-Emission Multiple Unit train does not operate for a minimum of five (5) years.

The estimated cost of the H<sub>2</sub> Refueling Area for the ZEMU is \$2,300,000. This includes capital costs for the fuel storage and dispenser, utility connections, and the retrofit of the AMF<sup>1</sup>. The capital costs, MSRC funding request, and SBCTA funding share are shown in Table 2. No operating and maintenance (O&M) costs are included in this MSRC funding request.

Table 2: SBCTA AMF H<sub>2</sub> Refueling Area - Estimated Project Costs

Capital Cost Elements	
Hydrogen Storage & Dispensing Infrastructure, Including:	
<ul style="list-style-type: none"> <li>• Fuel Storage &amp; Dispenser</li> <li>• Utility Connections</li> <li>• AMF Retrofit</li> </ul>	\$2,300,000
Total	\$2,300,000
<b>MSRC Funding Request</b>	<b>\$1,662,000</b>
SBCTA Co-Funding	\$638,000

MSRC-TAC Recommendation: The MSRC-TAC recommends that SBCTA be awarded **Clean Transportation Funding**<sup>™</sup> in the amount of \$1,662,000. This award recommendation is contingent upon SBCTA agreeing to make the station available to other users, at no cost to the MSRC, in the event that the Zero-Emission Multiple Unit train does not operate for at least five years.

2. California State University Los Angeles Auxiliary Services - Built in 2011, the Cal State LA Hydrogen Research and Fueling Facility (HRFF) is actively engaged in research, demonstration projects, and community outreach. It can produce up to 60 kg/day - sufficient to fuel up to 20 vehicles per day. The station utilizes a Hydrogenics electrolyzer, first- and second stage compressors capable of fast-filling at 350 and 700 bar, 60 kg of hydrogen storage, water purification, and cooling system at -20 deg C°. The station is built in full compliance with the Society of Automotive Engineers (SAE) standards. Recently, the station has switched to 100% renewable solar power generated on campus - the only academic institution in the world to do so. The HRFF has also participated in multi-year data collection, hydrogen safety workshops, and equipment deployment in collaboration with the National Renewable Energy Laboratory.

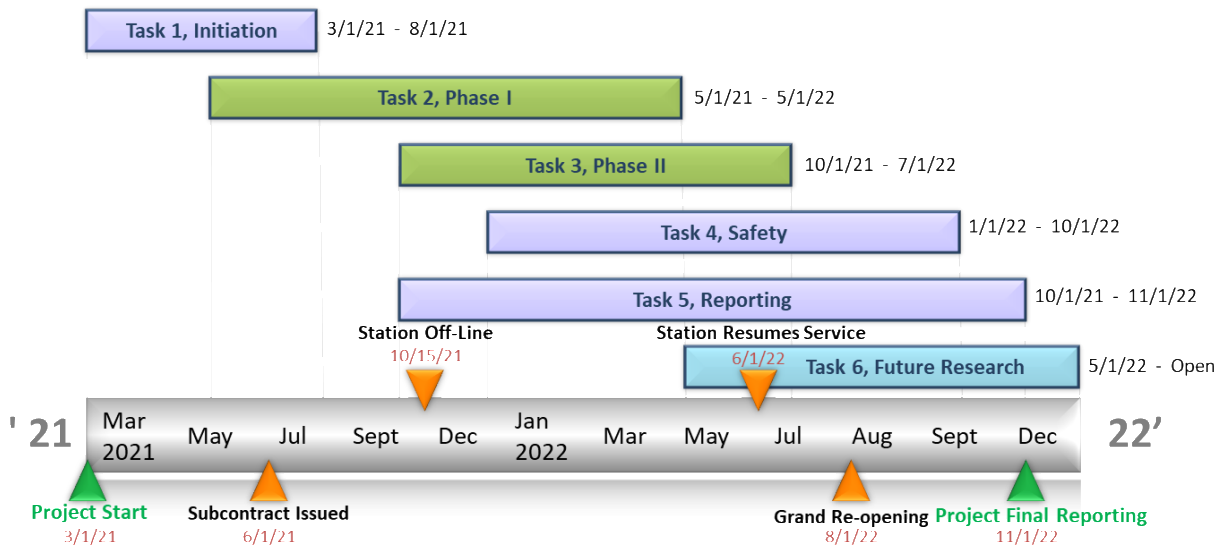
While successful to date, the HRFF is due for a comprehensive technology upgrade. The upgrade includes increasing the storage to 200 kg through additional medium- and high pressure tanks; a two-stage PDC compressor capable of separate compression from each stage and achieving rapid high-pressure refills; a stanchion for unloading delivered hydrogen, new T40 chilling equipment, and a corresponding 350 and 700 bar fueling dispenser. Newer technologies will also assure multiple back-to-back fueling event capability.

The station upgrade is split into two major and relatively independent phases of the project. This allows completing the phases separately in time and assuring a controlled commissioning after each phase.

- Phase I concentrates on increasing storage of both medium and high pressure, and new dual stage compressor with stanchions to supplement the internal production with delivered hydrogen.
- Under Phase II, the HRFF hydrogen cooling and dispensing equipment is requested as a part of the HRFF upgrade. This will bring the HRFF in line with the SAE-J2601 T40 performance targets improving fueling time from the current 8-10 minutes to 4-5 minutes. This will continue to assure excellent motorist experience when utilizing the Cal State LA station.

Figure 2, below, illustrates the proposed schedule for project implementation:

Figure 2 – Proposed Project Implementation Schedule



Programmatic Issues Encountered – Based upon a review of the Concept Paper submitted in response to the Hydrogen Infrastructure Partnership PON, the authorized CSULA to submit a full proposal detailing the technical and programmatic elements of the proposed hydrogen refueling station.

Subsequent to receipt and initial evaluation of the full proposal, the MSRC was notified that identified co-funding to support project implementation – especially Phase 2 – had not been secured. Additionally, a project element funded through Argonne Laboratories would no longer be an element of the project. As such, the proposed funding for the project has changed substantially from the original submittal.

<del>Argonne Laboratories from the DOE Award</del>	<del>\$461,000</del>
<del>DOD laboratory funding for HSBC Colleges</del>	<del>\$476,300</del>
MSRC Hydrogen Infrastructure Partnership	\$1,000,000
Total	\$1,000,000

An additional \$270,000 was identified as potentially available to support the project from SoCal Gas. However, the nexus between that funding and the subject project is not obvious and CSULA is unable to fully commit that funding to an identified project task.

MSRC-TAC Recommendation: Due to the loss of project co-funding, it is uncertain that the technical objectives associated with the hydrogen refueling station upgrade project can be accomplished within the proposed project schedule. Key project elements, including those associated with Project Phase 2, are currently unfunded. While CSULA has stated their intentions to pursue other co-funding sources, the timing of those awards is uncertain.

Due to these substantive changes to the proposed project, the Infrastructure Subcommittee does not recommend a funding award to CSULA.

It was noted that during the MSRC's review of the H<sub>2</sub> Infrastructure Partnership Program on May 20, 2021, the Committee noted their desire to fund H<sub>2</sub> Infrastructure projects that were ready to implement, the interpretation being that necessary co-funding is fully secured and that the project can be initiated and completed within the proposed schedule.

## **B. MSRC-TAC RECOMMENDATION TO SEEK ADDITIONAL FULL PROPOSALS**

Prior to the April 9, 2021 PON closing date, three (3) additional PON Concept Papers were received. Each Concept Paper has undergone review by the Infrastructure Subcommittee, and the Subcommittee recommends the MSRC authorize submittal of full proposals.

It should be noted that the MSRC was apprised of the budget status and remaining funding associated with the Hydrogen Infrastructure Partnership PON at their May 20, 2021 meeting. The MSRC is aware that any funding actions taken above and beyond the full proposals received to date would likely require use of currently unallocated funds. In acknowledging this, the MSRC directed the MSRC-TAC and staff to continue project evaluation, even if the results would potentially exceed the current \$3M targeted funding amount.

The following is a summary of the three additional Concept Papers received prior to PON closing:

1. Air Products Dual-Service (H70|H35) Hydrogen Refueling Station in Paramount - The conceptual hydrogen refueling station will be connected to Air Products' hydrogen pipeline located in Southern California. The operating features of the station includes point-of-use purification and compression, along with high pressure storage and dispensing capable of supporting all vehicle classes ranging from Class 8 trucks to light duty passenger vehicles. The station will be open to the public for all applications and will meet or exceed all relevant codes and standards.

Major components of the hydrogen-fueling station with integrated control system include:

- Gaseous hydrogen compressor systems
- Gaseous high pressure hydrogen storage vessels

- Standalone cascade panels
- Automated industrial H35 (35 MPag)/ H70 (70 MPag) gaseous hydrogen dispensers
- Automated commercial H70 (70 MPag) gaseous hydrogen dispensers
- High pressure heat exchanger and refrigeration units
- Pipeline connection/ delivery station
- H2 purification

Air Products will design the equipment to the following specifications and standards:

- Design daily usage: 3,000 kg/day nominal
- Type of vehicle filled: H<sub>2</sub> fuel cell H35 and H70 Heavy-Duty vehicles (HDV) and H70 light-duty vehicles (LDV)
- Fill protocols supported: SAE J2601 for LDV; SAE J2601-2 for HDV

World Energy will host the hydrogen refueling station onsite at 14700 Downey Ave, Paramount, CA. The site is centrally located within Southeast Los Angeles County, with easy access to three major freeways and transportation corridors. Additionally, Paramount offers a fueling point for vehicles in transit from the San Pedro Bay Ports via the 710 Freeway.

2. Nikola Energy – Nikola is a truck original equipment manufacturer (“OEM”), but also plans to develop hydrogen production and fueling infrastructure through its Nikola Energy division. Nikola Energy has stated their intention to develop an open-access fueling network nationwide, which would be compatible with, and available to, fueling customers utilizing any OEM’s FCEV trucks. Nikola Energy plans to collaborate with partner Travel Centers of America on the development of this nationwide infrastructure network by jointly pursuing development of hydrogen fueling infrastructure.

Nikola Energy is proposing to install this hydrogen fueling station within the Inland Empire region of San Bernardino County to support warehousing and shipping operations based in the Inland Empire.

Nikola Energy proposes to install a 4 tonne/day capacity hydrogen fueling station that will leverage a liquid hydrogen storage system to dispense hydrogen to trucks at an onboard service pressure of 700 bar through two fueling lanes. The basic components of the station will consist of: 1) a liquid hydrogen storage tank, 2) a liquid hydrogen pump and vaporizer

unit, 3) compressed hydrogen gas storage tanks, and 4) high flow dispensers. The station and its various components will be designed to meet or exceed various codes and standards requirements, with an emphasis being placed upon safety and reliability. The fueling station is expected to be capable of fueling approximately 80 trucks per day at about 50 kg per fill.

3. Clean Energy – In response to an expressed need from a large eCommerce customer, who will be deploying 50 heavy-duty (HD) class 8 hydrogen trucks over the next 24 months, Clean Energy seeks to partner with the MSRC to construct a hydrogen fueling station in San Bernardino at the corner of Central and Tiptecanoe Avenues. This eCommerce company has made a public commitment to reach net-zero carbon emissions by 2040. As a part of its plan to decarbonize all of its shipping operations, the company is deploying trucks across all platforms of alternative fuel technologies including renewable natural gas (RNG), electrification and, for this project, hydrogen.

The proposed station is collocated with Clean Energy's new CNG fleet station on seven acres of land leased in a location that is convenient to truck access. The conceptual station has the following attributes:

- The layout features ample onsite room for truck queueing while waiting to fuel so that streets are not blocked. Trucks easily access the site, fuel, and safely enter back onto the public roadway.
- Station has up to two fueling lanes with room to add additional fueling lanes in the future.
- LH<sub>2</sub> will be sourced from local Linde/Praxair plant in Ontario, with minimum 33% renewable content
- Station is completely public access and open 24 hours per day, 7 days per week
- All fueling lanes are completely covered by a protective canopy.
- The site is protected by fencing and security cameras.
- Card readers accept payment by credit cards, Clean Energy's fleet card, and other fleet cards such as ComData, Discover, Fuelman, MasterCard Fleet, Visa Fleet, Voyager, and WEX Fleetone.
- The station is highly visible with signage on the station canopy and on the fuel tanks.
- Traffic circulation signage is provided to direct traffic in and out of the fueling lanes and the access street.

- The station is located on a major port truck artery and between major truck intersections.
- This will be a new heavy-duty clean truck site and provides fueling for a variety of vehicles, including Class 8 tractors with trailers and a variety of smaller municipal and private vehicles.

The proposed station equipment will run on renewable hydrogen, sourced, and provided by Clean Energy Renewables (CER), a subsidiary of Clean Energy since 2008.

MSRC-TAC Recommendation: The MSRC-TAC has reviewed the Concept Papers submitted by Air Products, Nikola Energy, and Clean Energy. Based upon this review, the Infrastructure Subcommittee recommends that the MSRC authorize the submittal of full proposals. Each proposal will then undergo evaluation by the Infrastructure Subcommittee, and a recommendation will be brought forth for consideration by the full MSRC-TAC.

The MSRC-TAC recommends that when requesting full proposals, applicants be instructed to limit their MSRC funding request to an amount commensurate with other H<sub>2</sub> projects funded or recommended for funding under the Hydrogen Infrastructure Partnership Program.

SUMMARY: The MSRC-TAC recommends the MSRC-TAC approve the following:

1. An award to SBCTA in the amount of \$1,662,000. This recommendation is conditioned upon SBCTA's contractual agreement to 1) reconfigure the H<sub>2</sub> station as needed, and 2) allow station access to other users, at no cost to the MSRC, in the event that the Zero-Emission Multiple Unit train does not operate for at least five years;
2. No award to CSULA at this time, due to the reasons cited above;
3. A recommendation to authorize the submittal of full proposals from Air Products, Nikola Energy, and Clean Energy, with guidance that any MSRC funding request be at a level previously or concurrently awarded by the MSRC.

AGENDA ITEM #14

2021-2022 Clean Fuels/Clean Technologies  
Conference Calendar



## Clean Fuels and Clean Technologies Conference Calendar for 2021 - 2022

### April 2021

- April 6-7 Electric Vehicles Battery Tech USA, Long Beach, CA., Website: <https://www.usa.battery-technology-conference.com/>
- April 20-22 Green Bus Summit, Virtual Event, Website: <https://greenbussummit.com/>
- April 22-23 International Conference on Hybrid & Electric Vehicles, New York, NY., Website: <https://waset.org/hybrid-and-electric-vehicles-conference-in-april-2021-in-new-york>
- Apr 22,23,27,28 North American Carbon World Virtual Conference, Website: <https://www.nacwconference.com/>

### May 2021

- May 3-6 Electrification 2021-Enabling Efficient & Sustainable Solutions, Charlotte, NC., Website: <https://www.wraltechwire.com/event/electrification-2021/>
- May 4-5 Transform USA 2021 (Sustainable Transformation and Delivery), On-Line/On-Demand, Website: <https://reutersevents.com/events/transform-us/conference-agenda.php>
- May 6-7 Sustainability Leadership Conference in Energy, Houston, TX., Website: <https://web.cvent.com/event/3593e42e-5121-4a2d-9a56-271ed8069e0c/summary>
- May 11-13 Air & Waste Management – Air Quality Measurement Methods & Technology Conference, San Diego, CA., Website: [https://www.awma.org/ev\\_calendar\\_day.asp?date=5/11/2021&eventid=146](https://www.awma.org/ev_calendar_day.asp?date=5/11/2021&eventid=146)
- May 24-26 Green Transportation Summit & Expo, Tacoma, WA., Website: <http://www.gtsummitexpo.socialenterprises.net/>
- May 25-27 Environment, Health & Safety Tech 2021, Fort Worth, TX., Website: <https://www.naem.org/events/read/2021/05/25/conferences/ehstech21>

### June 2021

- June 7-11 Annual Merit Review & Peer Evaluation Meeting-U.S. DOE Hydrogen Program-Virtual Meeting – Website: <https://www.annualmeritreview.energy.gov/>
- June 8-10 International Conference on Transportation & Development, Virtual Event, Website: <https://www.asce-ictd.org/>
- June 22-24 Sensors 2021 – San Jose, CA., Website: <https://www.sensorexpo.com/>
- June 29-July 1 2021 Conference on Sustainability & Emerging Transportation Technology, Irvine, CA., Website: <https://www.nationalacademies.org/event/06-29-2021/2021-conference-on-sustainability-and-emerging-transportation-technology>

August 2021

- Aug 9-11 ICCE 2020 International Conference & Exhibition on Clean Energy, Ottawa, Canada, Website: <https://icce2020.iaemm.com/>
- Aug 12-13 Electric Vehicles Battery Tech USA 2021, Long Beach, CA., Website: <https://www.usa.battery-technology-conference.com/>**
- Aug 16-18 Green Transportation Summit, Tacoma, WA., Website: [https://www.gtsummitexpo.socialenterprises.net/event\\_details/](https://www.gtsummitexpo.socialenterprises.net/event_details/)
- Aug 17-20 2021 World Fuel Cell Conference, Virtual, Website: <https://www.iahe-fcd.org/wfcc2021>**
- Aug 19 Women in Green Forum, Los Angeles, CA., Website: <https://www.eventbrite.com/e/11th-annual-women-in-green-forum-registration-88021826653>
- Aug 30-Sept 2 Advanced Clean Transportation Conference & Expo, Long Beach, CA., Website: <https://www.actexpo.com/>**

September 2021

- Sept 8-9 16<sup>th</sup> Carbon Dioxide Utilization Summit, Montreal, Canada, Website: <https://www.wplgroup.com/aci/event/co2-canada/#:~:text=ACI%E2%80%99s%2016th%20Carbon%20Dioxide%20Utilization%20Summit%20will%20follow,on%20the%208th%20and%209th%20of%20September%202021.>**
- Sept 12-15 International Hydrogen Conference, Jackson Lake Lodge, Moran, WY., Website: <http://conferences.illinois.edu/hydrogen/registration.html>
- Sept 14-16 Motion + Power Technology Expo, St. Louis, MO., Website: <https://motionpowerexpo.com/about-the-show/>
- Sept 14-16 Electric & Hybrid Vehicle Technology Expo, Novi, MI., Website: <https://10times.com/electric-hybrid-vehicle>
- Sept 20-23 Hydrogen + Fuel Cell International, New Orleans, LA., Website: <https://www.solarpowerinternational.com/hydrogen/>
- Sept 25-Oct 3 National Drive Electric Week – Various Locations, Website: <https://driveelectricweek.org/>
- Sept 28-30 North American Commercial Vehicles Show, Atlanta, GA., Website: <https://nacvshow.com/>**

October 2021

- Oct 2-10 North American International Auto Show, (Pre-show dates: Sept 24-30) Detroit, MI., Website: <https://naias.com/>
- Oct 6 California Clean Air Day, Website: [www.cleanairday.org](http://www.cleanairday.org)
- Oct 28-29 International Conference on Hydrogen & Fuel Cell Technology, Los Angeles, CA., Website: <https://waset.org/hydrogen-and-fuel-cell-technology-conference-in-october-2021-in-los-angeles>**

November 2021

Nov 4 Green California Schools & Community Colleges Summit, Pasadena, CA., Website:  
<https://10times.com/green-california-schools/reviews>

December 2021

**Dec 7-9 Advanced Automotive Battery Conference In-Person/Virtual, San Diego, CA.,**  
**Website: <https://www.advancedautobat.com/us/>**

May 2022

May 11-13 Air Sensors International Conference, Pasadena, CA., Website:  
<https://asic.agrc.ucdavis.edu/>

May 17-19 Center for Advancing Research in Transportation Emissions, Energy & Health  
(CARTEEH) Transportation Air Quality and Health Symposium, Riverside, CA., Website:  
<https://events.tti.tamu.edu/conference/2021-carteeh-symposium/>

For the latest updates on the listed conferences, please call the conference contact person  
directly

Last updated 2/23/2021 **(Items in bold were recently added).**